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Water Resources Data for Louisiana Water Year 1980. Volume 3: Coastal Louisiana

(U.S.) Geological Survey
Baton Rouge, LA

1980

U.S. Department of Commerce
National Technical Information Service
NTIS

PB82-129305

Water Resources Data for Louisiana

Volume 3. Coastal Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-80-3

WATER YEAR 1980

Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA 22161

CALENDAR FOR WATER YEAR 1980

1979

OCTOBER

S	M	T	W	T	F	S
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1980

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SEPTEMBER

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28	29	30				

U.S. DEPARTMENT OF THE INTERIOR
March 3, 1849

Water Resources Data for Louisiana

Volume 3. Coastal Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-80-3

WATER YEAR 1980

Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, Director

For information on the water program in Louisiana write to
District Chief, Water Resources Division
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Baton Rouge, LA 70896

1980

PREFACE

This report was prepared by personnel of the Louisiana district of the Water Resources Division of the U.S. Geological Survey under the supervision of A. N. Cameron, District Chief, and Alfred Clebsch, Jr., Regional Hydrologist, Central Region. It was done in cooperation with the State of Louisiana and with other agencies.

This report is one of a series issued by State. General direction for the series is by Philip Cohen, Chief Hydrologist, U.S. Geological Survey, and Robert J. Dingman, Assistant Chief Hydrologist for Scientific Publications and Data Management.

Data for Louisiana are in three volumes as follows:

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Volume 2. Southern Louisiana
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Water resources data for the 1980 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in three volumes, contains records for water discharge at 75 gaging stations (including stage for 71 of these stations); stage only for 38 gaging stations and 11 lakes; contents for 1 reservoir; water quality for 124 surface-water stations (including 34 gaging stations), 107 miscellaneous sites, and 15 lakes, and 268 wells; and water levels for 506 observation wells. Also included are data for 271 crest-stage and flood-profile partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements. Records for a few pertinent stations in bordering States are also included in this report. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

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GAGING STATION, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

[*Letter after station name designates type of data: (d) discharge, (f) gage height, (e) elevation, (c) chemical, (b) biological, (m) microbiological, (t) water temperature, (s) sediment*]

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INTRODUCTION

Water resources data for the 1980 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in three volumes, contains discharge records for 75 gaging stations; stage record for 71 of these gaging stations; stage only for 38 gaging stations; contents for 1 reservoir; stage only for 11 lakes; water quality for 124 stations (34 of these at gaging stations), 107 miscellaneous sites, 15 lakes, and 268 wells; and water levels for 506 observation wells. Also included are data for 135 crest-stage partial-record stations and 136 flood-profile partial-record stations. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

Records of discharge or stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report LA-80-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22151.

COOPERATION

The U.S. Geological Survey and organizations of the State of Louisiana have had cooperative agreements for the systematic collection of streamflow records since 1938, for ground-water levels since 1936, and for water-quality records since 1943. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Louisiana Department of Transportation and Development, Paul J. Hardy, Secretary: Office of Public Works, I. F. "Jiff" Hingle, Assistant Secretary, and Office of Highways, Neil L. Wagoner, Assistant Secretary.

Sabine River Compact Administration, composed of L. E. Carroon, Federal representative and chairman; I. F. "Jiff" Hingle and Raymond J. Palmer for Louisiana; Neilson Davis and J. M. Syler for Texas.

Capital Area Ground Water Conservation Commission, M. Clinton Sussky, chairman.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army, the Department of Energy, and the Environmental Protection Agency in collection of records for 35 stage and discharge stations and 102 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

Monthly streamflow was generally above the long-term monthly average for the first three months of the water year, except for the lower Pearl River which was above flood stage in December 1979.

High-water conditions were experienced in southeastern Louisiana during the spring. The Franklin station on the Bogue Chitto recorded a record flood elevation of 144.36 ft (NGVD) on March 30, 1980. This exceeded the previous maximum of 143.27 ft (NGVD), which occured on March 21, 1943. Pearl River at Bogalusa reached a elevation of 77.42 ft (NGVD) at a discharge of 107,000 ft^3/s on March 31, 1980. This was almost twice the previous March maximum instantaneous discharge of 19,200 ft^3/s. The Pearl River at Pearl River reached a crest of 19.86 ft (NGVD) on April 1, 1980. A discharge of 174,000 ft^3/s was measured at Interstate Highway 10.

Three significant floods occurred in the Comite and Amite River basins in March and April. Peak discharges at the key station, Amite River near Denham Springs, were 64,200 ft^3/s on March 30, 1980, 44,200 ft^3/s on April 14, 1980, and 37,200 ft^3/s on April 27, 1980. Some flooding occurred during these peak periods along the Amite River below Interstate Highway 12 and along Bayou Manchac.

The lower Mississippi River was above flood stage for only a short time in late April. The maximum daily discharge at Baton Rouge was 1,120,000 ft^3/s at a stage of 36.6 ft (NGVD) on April 15 1980.

Heavy rains occurred during mid-May in southwestern Louisiana, resulting in extreme flooding of the area from U.S. Highway 190 to the Gulf of Mexico. Gaging stations along the highway recorded peak stages second only to the historic flood of May 1953. A 24-hour rainfall of 15.67 in. was recorded on May 16, 1980 by the National Weather Service at the Lake Charles Airport station.

Deficient flow was experienced in northwestern Louisiana in August and September. The key station, Saline Bayou near Lucky, experienced a near-record minimum daily flow of 4.0 ft^3/s on August 25, 1980. The minimum daily flow since records began in 1940, is 2.4 ft^3/s and occurred on August 14, 1954. On Bayou Toro near Toro, September streamflow was only seven percent of the long-term average monthly discharge of 77.6 ft^3/s.

In northern and central Louisiana water-level trends in wells screened in the Sparta Sand and in Miocene aquifers reflected regional-decline rates of one-half to 2 ft per year. Levels in many wells reached record lows during 1980. Water-level trends in wells screened in the Wilcox, Cockfield, and alluvial aquifers mostly showed normal seasonal fluctuations. Some wells screened in the alluvial aquifers near streams that were at low stages because of the unusually dry summer had levels that were lower than normal. Water levels in wells screened in the terrace aquifers generally respond to the long-term cumulative departure from average precipitation more than to seasonal variations in rainfall, and typically showed little effects from the summer drought.

At the end of the rice-irrigation season in southwestern Louisiana, levels in observation wells in the Chicot aquifer were 1-2 ft lower than the lowest levels previously recorded in Evangeline, Jefferson Davis, and St. Landry Parishes. In the Lake Charles industrial area, water levels in wells in the "500-foot" sand were 1-5 ft higher at the end of the water year than last September; levels in wells in the "700-foot" sand were about a foot lower, and levels in wells in the "200-foot" sand reflected essentially no change. Lowest water levels in all sands of the industrial area were generally more than 10 ft above record lows. The lowest level recorded in a well in the Evangeline aquifer at Opelousas, St. Landry Parish, exceeded the previous record low by about 2 ft.

In southeastern Louisiana, water levels in wells in the Gramercy and Norco aquifers have declined slightly since the end of the 1979 water year; while higher levels were noted in several key observation wells in the Gonzales-New Orleans aquifer at New Orleans. Slight rises also occured in wells in most sands of the Baton Rouge area. Levels in wells in the "1,500-foot" sand were steady, but slight declines were registered in wells in the "2,000-foot" and "2,800-foot" sands. In the Florida Parishes, water levels in most wells were steady. However, small declines were noted locally in wells in the deep sands.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of metric units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Aquifer is a geologic formation, group of formations, or part of a formation than contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials. NOTE: The letter "K" preceding a value indicates the results are based on colony count outside the acceptable range.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms that produce colonies witin 24 hours when incubated at 35°C ± 0.5°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all the organisms that produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on MFC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found in the intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies with 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (STORET CODE 31679), or on KF agar (STORET CODE 31673). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry-mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in g/m^3 (grams per cubic meter), and periphyton and benthic organisms in g/m^2 (grams per square meter).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as for ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet Mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Recoverable from bottom material refers to the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Cells/volume refers to the number of cells on any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

Cubic feet per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent fo approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to that material in a representative water sample which passes through a 0.45-micrometer membrane filter. This is a convient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

Where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Diversity index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution area, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water.

Elutriate is the supernatant resulting from the vigorous 30-minute shaking of 1 part bottom sediment with 4 parts water from the proposed disposal site followed by 1 hour of letting the mixture settle and appropriate filtration or centrifugation.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (princially calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Land-surface datum (LSD) is a datum plane that is approximately at land surface at each well.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per gram (µg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per kilogram (µg/kg) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (kilogram) of sediment.

Micrograms per liter (µg/l) is a unit expressing the concentration of chemical constituents in solution. Micrograms per liter represent the mass of solute per unit volume (liter) of water.

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based of the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay..........	0.00024- 0.004	Sedimentation.
Silt..........	.004 - .062	Sedimentation.
Sand..........	.062 - 2.0	Sedimentation or sieve.
Gravel........	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass or volume.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

Insecticides are substances or a mixture of substances intended to prevent, destroy, or repel insects. The technical names for insecticides determined in this report are:

Aldrin 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-endo, exo-1,4:5,8-dimethanonaphthalene.

Chlordane 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan.

DDD (combination of ortho and para isomers)

o,p'-DDD 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-DDD 1,1-dichloro-2,2-bis(p-chlorophenyl)ethane.

DDE (combination of ortho and para isomers)

o,p'-DDE 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethylene,

p,p'-DDE 1,1-dichloro-2-bis(p-chlorophenyl)ethylene.

DDT (combination of ortho and para isomers)

o,p'-DDT 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-DDT 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.

Diazinon 0,0-diethyl 0-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate.

Dieldrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,exo-1,4:5,8-dimethanonaphthalene.

Endosulfan 1,4,5,6,7,7-hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite.

Endrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4:5,8-dimethanonaphthalene.

Ethion 0,0,0',0'-tetraethyl S,S'methylenediphosphorodithioate.

Heptachlor 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene.

Heptachlor epoxide 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan.

Lindane 1,2,3,4,5,6-hexachlorocyclohexane, 99 percent or more of gamma-isomer.

Malathion S-(1,2-dicarbethoxyethyl) 0,0-dimethyldithiophosphate.

Methyl parathion 0,0-dimethyl 0-p-nitrophenyl phosphorothioate.

Methyl trithion phosphorodithioic acid S-[[(4-chlorophenyl) thio]-methyl] 0,0-dimethyl ester.

Methoxychlor 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethane.

Mirex 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene.

Parathion 0,0-diethyl 0-p-nitrophenyl phosphorothioate.

Perthane 1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene].

Toxaphene chlorinated camphene containing 67-69 percent chlorine by weight.

Trithion phosphorodithioic acid S-[[(4-chlorophenyl)thio] methyl] 0,0-diethyl ester.

Herbicides are substances or a mixture of substances intended to control or destroy any vegetation. The technical names for herbicides determined in this report are:

2,4-D (2,4-dichlorophenoxy)acetic acid.
2,4,5-T (2,4,5-trichlorophenoxy)acetic acid.
Silvex 2-(2,4,5-trichlorophenoxy)propionic acid.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.2 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the watercurrents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated napthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated napthalene compounds having various percentages of chlorine.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is the quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplified the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45-micrometer membrane filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less that 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total refers to the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sedimemt mixture and that the analytical method determines all of the constituent in the sample.)

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

Total recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion precedures are likely to produce different analytical results.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata* is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	*Hexagenia*
Species	*Hexagenia limbata*

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 02489500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6-digit downstream order number "489500". Records in this report are in Part 2 (South Atlantic Slope and Eastern Gulf of Mexico basin), Part 7 (Lower Mississippi River basin) and Part 8 (Western Gulf of Mexico basin).

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1, following. In Louisiana, wells are further identified by a local well number that consists of a letter code that identifies the parish (county) in which the well is located, followed by a serial number assigned when the well was inventoried.

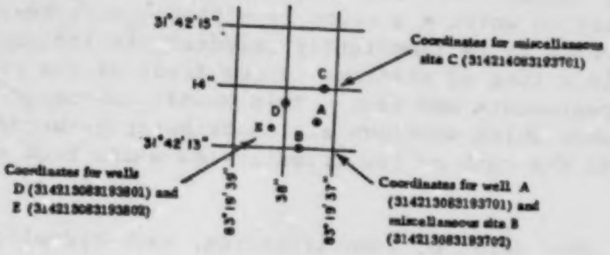
31° 42' 15"
14"
31° 42' 13"
C
D
A
E
B
Coordinates for miscellaneous site C (314214093193701)
Coordinates for wells D (314213093193801) and E (314213093193802)
Coordinates for well A (314213093193701) and miscellaneous site B (314213093193702)
93° 19' 39"
38"
93° 19' 37"

Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data-collection network designated by the U.S. Geological Survey to meet many of the demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal varibility of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard text-books, in Water-Supply Paper 888, and in the U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

For a reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River milage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which the figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revisions, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of report.

The type of gage currently in use, the datum of the present gage referred to National Geodetic Vertical Datum, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE". National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 4.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow at the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than five complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR"; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may by expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 in. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in three tables. The first is a table of annual maximum stage and discharge at crest-stage stations, the second is a table of discharge measurements at miscellaneous sites, and the third is a table of peak elevations at flood-profile partial-record stations.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good", within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effect of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, discharge measurements, gage-height records, and rating tables is on file in the district office. Also, most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of Discharge Collected by Agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected during water year 1980 at sites in Louisiana by the Corps of Engineers, U.S. Army. The National Water Data Exchange, Water Resources Division, U.S. Geological Survey, National Center, Reston, VA 22092, maintains an index of such sites. Information on records available at specific sites can be obtained upon request.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives periods of record for the various types of water-quality data (chemical, specific conductance, water temperatures, sediment discharge), extremes of pertinent data, and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling, and geologic unit (aquifer) are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equiped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharge.

At stations where recording instruments are used, either mean temperatures or maximum and minimim temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers or point samplers. Samples usually are obtained along several vertical lines in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements for the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Collection of the Data

Ground-water-level data from the State network of observation wells are published herein. This basic network contains observation wells so located that significant areal data are obtained from the most important aquifers.

Each well is identified by (1) a 15-digit number that is based on latitude and longitude and (2) a local well number that identifies the well within an individual parish (county). See figure 1.

Measurements are made in many types of wells, under varying conditions of access, depth to water, temperature; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to land-surface datum (LSD). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical Datum of 1929 (NGVD) is given in the well description. Altitudes with zeros in the tenths and hundredths columns are interpolated from topographic maps and are generally accurate only to about 1-5 feet. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equiped with recording gages are reported for every fifth day, the end of each month, and for dates when check measurements were made.

Water levels are reported to as many signifigant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or to the nearest foot. In the computer format used in this report, zeros shown in the hundredths column generally indicate measurements accurate only to tenths.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation,* by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents,* by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations,* by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. *Application of borehole geophysics to water-resources investigations,* by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. *General field and office procedures for indirect discharge measurements,* by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method,* by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods,* by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods,* by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods,* by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams,* by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations,* by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations,* by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A11. *Measurement of discharge by moving-boat method,* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-B1. *Aquifer-test design, observation, and data analysis,* by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction,* by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-C1. *Fluvial sediment concepts,* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment,* by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply,* by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells,* by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments,* by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy,* by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for analysis of organic substances in water,* by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples,* edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments,* by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-C1. *Laboratory theory and methods for sediment analysis,* by H. P. Guy. USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments,* by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water,* by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

8-A1. *Methods of measuring water levels in deep wells,* by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters,* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

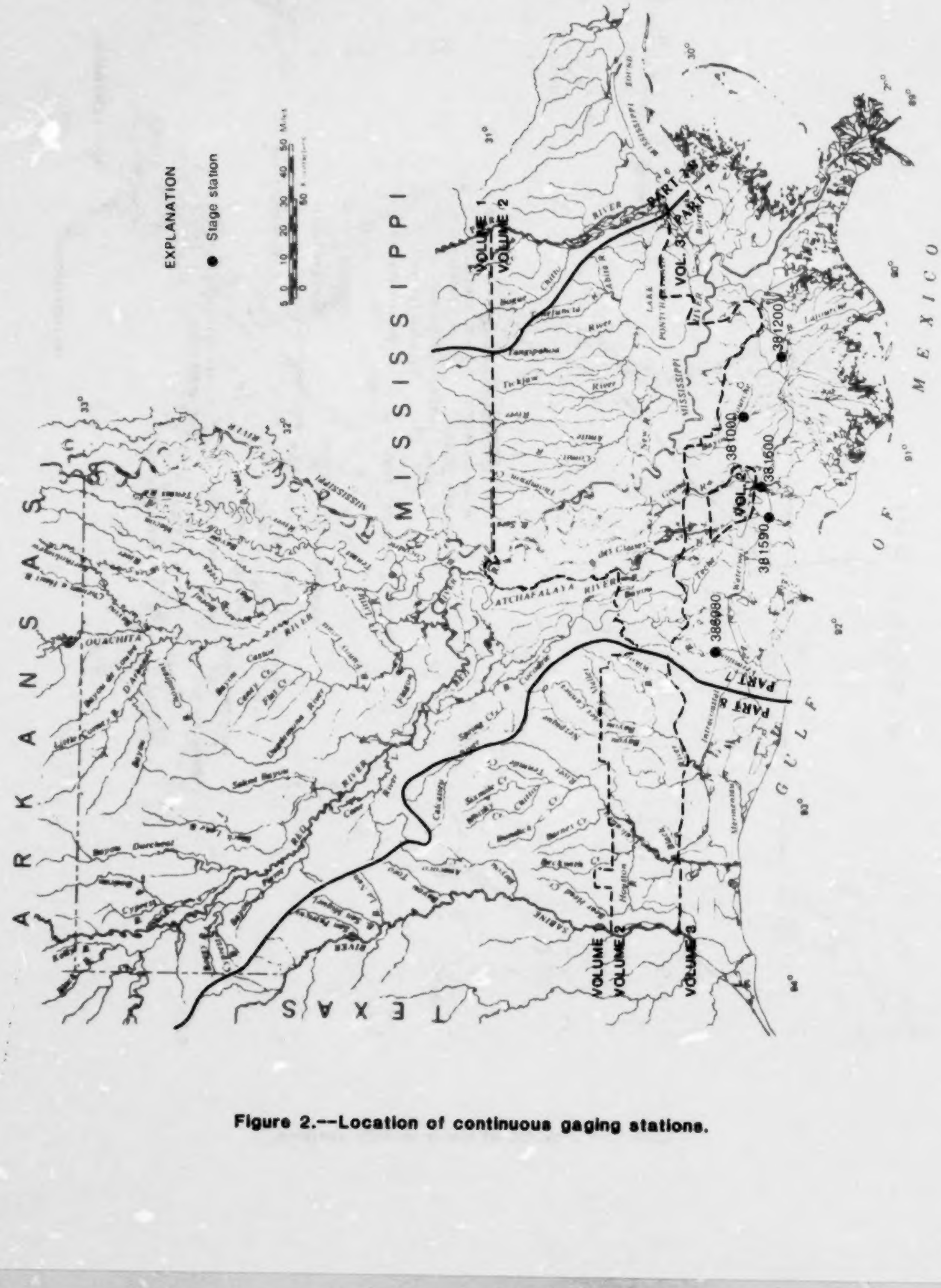
EXPLANATION
● Stage station
0 10 20 30 40 50 Miles
0 50 Kilometers
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
VOLUME 2
VOLUME 3
VOL. 2
VOL. 3
PART 7
PART 8
381200
381000
381600
381590
386080
ATCHAFALAYA RIVER
OUACHITA
MISSISSIPPI RIVER
LAKE PONTCHARTRAIN
SABINE
RED RIVER
33°
32°
31°
30°
29°
94°
93°
92°
91°
90°
89°

Figure 2.--Location of continuous gaging stations.

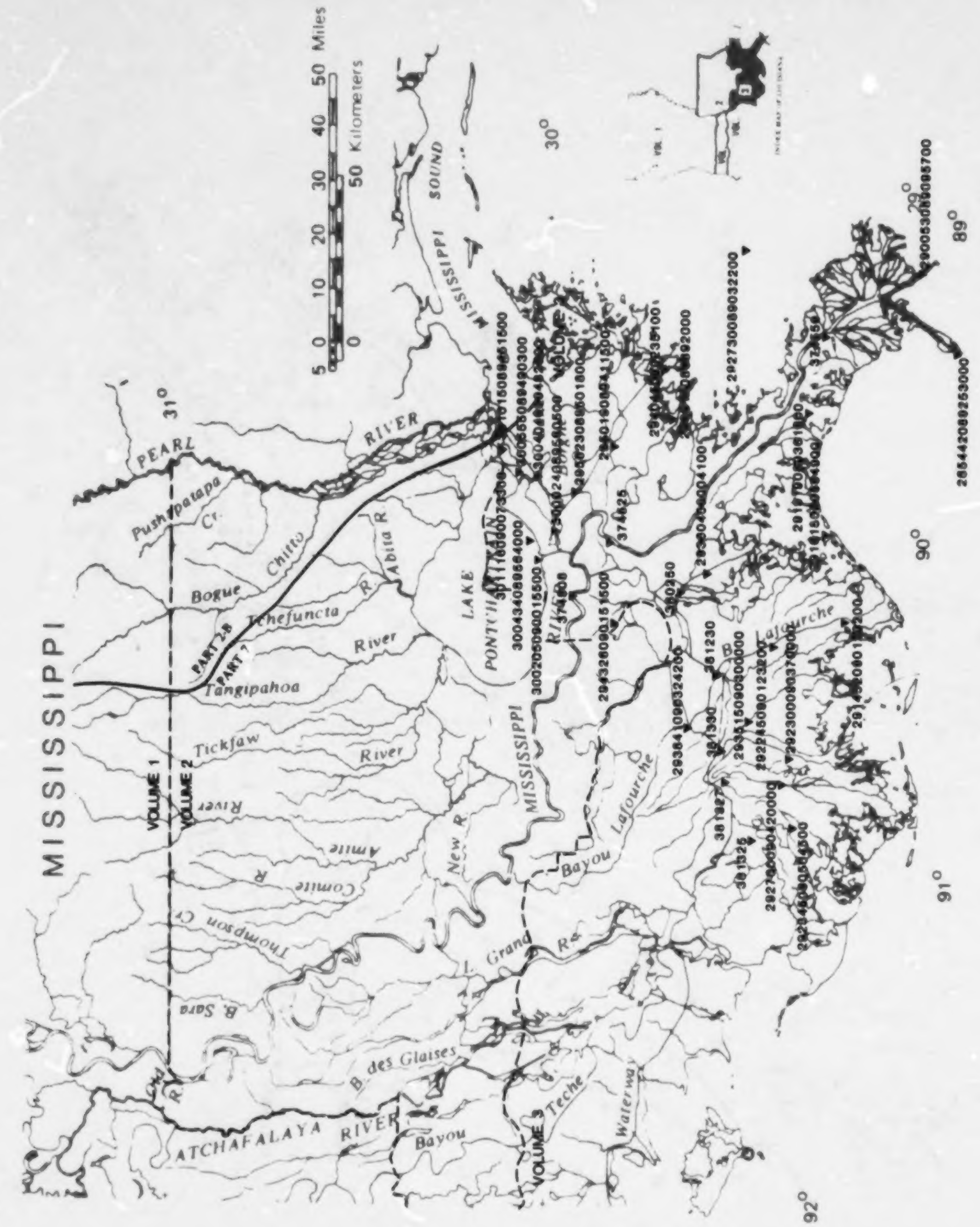
MISSISSIPPI
PEARL RIVER
Pushepatapa Cr.
Bogue Chitto
Abita R.
Tchefuncta R.
Tangipahoa River
Tickfaw River
Amite River
Comite R.
Thompson Cr.
B. Sara
Old R.
ATCHAFALAYA RIVER
B. des Glaises
Bayou Teche
Waterway
L. Grand R.
New R.
Bayou Lafourche
MISSISSIPPI RIVER
LAKE PONTCHARTRAIN
MISSISSIPPI SOUND
VOLUME 1
VOLUME 2
VOLUME 3
PART 2.8
PART 7
31°
30°
29°
89°
90°
91°
92°
0 10 20 30 40 50 Miles
0 50 Kilometers

Figure 3.--Location of water-quality stations.

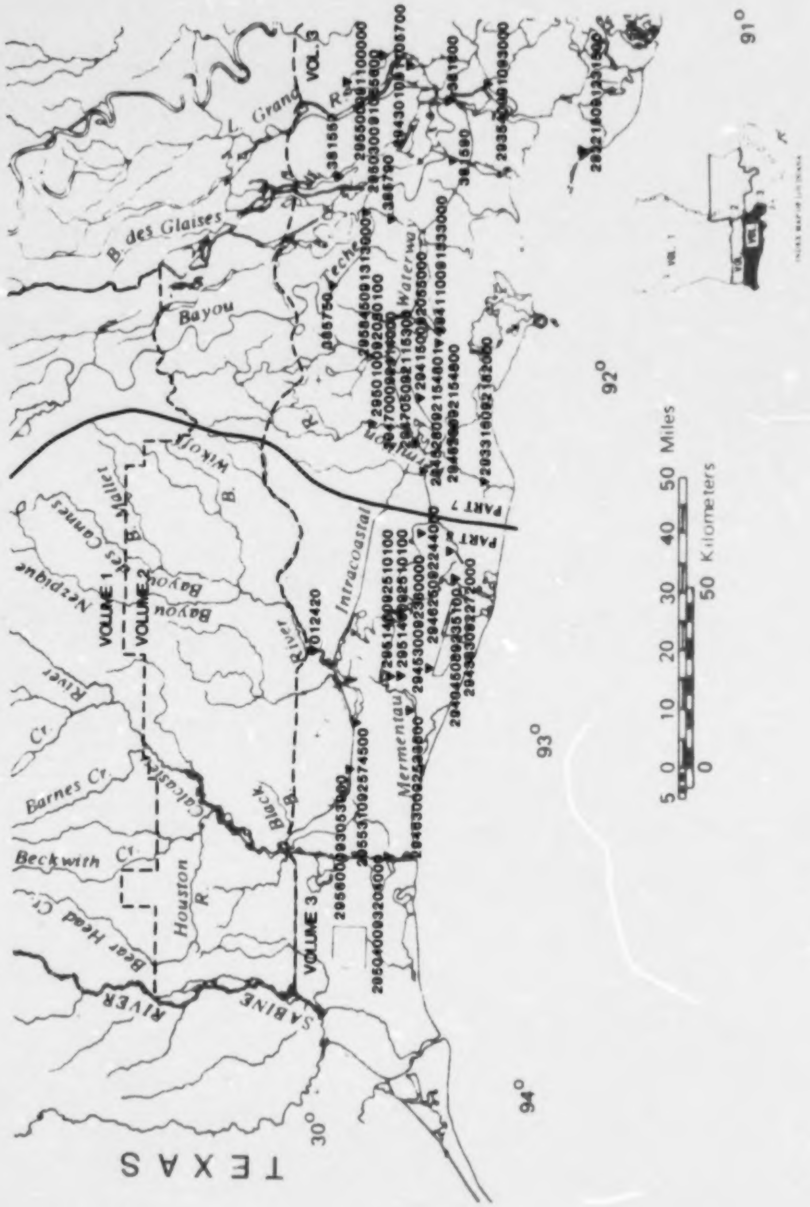
TEXAS
SABINE
RIVER
Bear Head Cr.
Beckwith Cr.
Barnes Cr.
Houston R.
Calcasieu
Black B.
River
Nezpique
B. des Cannes
B. Mallet
Bayou
B. Wikoff
Intracoastal
Waterway
Mermentau
Teche
B. des Glaises
L. Grand R.
VOLUME 1
VOLUME 2
VOLUME 3
VOL. 3
PART 7
30°
94°
93°
92°
91°
0 10 20 30 40 50 Miles
0 50 Kilometers

Figure 4.--Location of water-quality stations.

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA

LOCATION.--Lat 29°57'03", long 90°08'17", Jefferson-Orleans Parish line, Hydrologic Unit 08090100, at Carrollton Street Municipal Water Plant intakes, and at mile 103.8.

DRAINAGE AREA.--1,129,900 mi^2 (2,926,400 km^2), arbitrarily determined.

PERIOD OF RECORD.--Water years 1905-06, 1951-52, 1954-55, 1967 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1954 to September 1955, October 1968 to current year.
pH: October 1976 to current year.
WATER TEMPERATURES: August 1954 to September 1955, November 1970 to current year.
DISSOLVED OXYGEN: October 1968 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1968.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 630 micromhos Sep. 20, 1969; minimum, 200 micromhos May 1, 1975.
pH: Maximum, 7.9 units several days during fall and winter 1976 and 1979, Oct. 1, 1980; minimum, 6.8 units Apr. 9, May 1-5, 1980.
WATER TEMPERATURES: Maximum, 32.5°C July 14-22, 1980; minimum, 1.5°C Feb. 6-14, 1978.
DISSOLVED OXYGEN: Maximum, 13.9 mg/L Feb. 23, 24, 1976; minimum, 3.8 mg/L July 23, Aug. 1, 1969, Aug. 26, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 486 micromhos Nov. 13; minimum, 250 micromhos Apr. 9.
pH: Maximum, 7.9 units Oct. 1; minimum, 6.8 units Apr. 9, May 1-5.
WATER TEMPERATURES: Maximum, 32.5°C July 14-22; minimum, 4.5°C Feb. 16-19.
DISSOLVED OXYGEN: Maximum, 12.3 mg/L Feb. 10-13, 18; minimum, 4.8 mg/L June 25.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT												
03...	0900	346	7.3	24.0	15	75	--	--	--	680	130	39
JAN												
09...	1300	334	7.6	7.5	10	50	8.6	.0	K950	220	130	43
APR												
17...	1135	299	7.1	14.0	5	70	8.9	3.7	290	250	110	39
JUL												
09...	1130	440	7.1	30.0	15	35	5.4	1.0	--	--	160	48

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
03...	37	10	15	19	.6	3.3	115	0	94	9.4	43	18
JAN												
09...	36	9.5	16	27	.6	5.2	105	0	86	4.2	48	20
APR												
17...	31	8.2	15	22	.6	3.3	88	0	72	11	44	16
JUL												
09...	41	13	22	23	.8	3.5	131	0	107	17	53	25

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
OCT											
03...	.3	7.3	204	191	.28	1.2	.96	2.2	9.6	.310	.95
JAN											
09...	.3	6.9	212	194	.29	1.3	1.0	2.3	10	.230	.71
APR											
17...	.3	6.4	175	167	.24	1.3	1.2	2.5	11	.320	.98
JUL											
09...	.6	7.8	257	231	.35	2.5	.93	3.4	15	.260	.80

K Results based on colony count outside the acceptable range (non-ideal count).

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)
OCT										
03...	2	<1	0	3	10	0	2	.1	4	.00

DATE	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)
OCT										
03...	2	.0	.00	.00	.0	.00	.00	.00	.00	.00

DATE	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT									
03...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT									
03...	.00	.00	.00	.00	0	.00	.00	.00	.00

DATE	STREAM-FLOW, INSTAN-TANEOUS (CFS)
OCT	
03...	528000
31...	354000
DEC	
12...	695000
JAN	
09...	556000
FEB	
07...	499000
MAR	
04...	428000
APR	
15...	978000
22...	967000
MAY	
05...	837000
JUN	
18...	488000
JUL	
09...	339000
SEP	
09...	233000

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	446	433	401	382			---	---	387	379
2	---	---	450	445	---	---			---	---	386	376
3	---	---	450	445	---	---			---	---	383	369
4	---	---	446	442	---	---			---	---	378	374
5	---	---	448	442	---	---			---	---	377	369
6	---	---	444	437	---	---			---	---	388	370
7	---	---	452	439	---	---			---	---	385	373
8	---	---	464	452	---	---			---	---	393	382
9	---	---	464	459	---	---			---	---	396	389
10	---	---	472	459	---	---			---	---	421	349
11	---	---	479	468	---	---			---	---	415	408
12	---	---	483	477	375	352			---	---	421	413
13	---	---	486	482	375	335			---	---	423	417
14	---	---	485	476	336	330			---	---	425	419
15	---	---	485	477	345	335			---	---	426	420
16	---	---	484	461	---	---			---	---	426	411
17	---	---	459	441	---	---			---	---	414	395
18	---	---	442	434	---	---			---	---	396	387
19	---	---	435	422	---	---			---	---	390	381
20	---	---	425	420	---	---			---	---	385	380
21	---	---	438	405	---	---			---	---	380	364
22	---	---	407	394	---	---			---	---	365	352
23	---	---	395	363	---	---			---	---	355	347
24	---	---	379	351	---	---			---	---	350	336
25	---	---	372	343	---	---			---	---	334	324
26	---	---	378	336	---	---			388	375	373	323
27	---	---	388	376	---	---			389	374	355	337
28	---	---	388	312	---	---			392	375	336	324
29	---	---	393	346	---	---			381	374	321	304
30	427	417	393	345	---	---			---	---	323	302
31	433	427	---	---	---	---			---	---	323	309

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	318	306	325	308	365	348	460	449				
2	306	298	316	308	351	339	458	448				
3	297	291	313	304	348	340	455	450				
4	291	285	312	306	354	347	455	447				
5	287	279	325	310	366	352	456	447				
6	292	279	323	319	369	363	457	447				
7	284	280	326	318	367	357	---	---				
8	284	271	328	324	375	365	---	---				
9	279	250	331	325	397	376	---	---				
10	260	252	339	329	408	395	---	---				
11	270	264	344	334	417	409	---	---				
12	293	272	349	334	423	414	---	---				
13	303	291	358	348	426	420	---	---				
14	308	300	371	357	433	426	---	---				
15	307	287	374	366	439	431	---	---				
16	310	287	378	368	440	432	---	---				
17	308	286	377	373	450	438	---	---				
18	298	289	382	378	456	451	---	---				
19	306	297	379	365	456	440	---	---				
20	326	310	380	376	449	432	---	---				
21	325	306	379	371	433	413	---	---				
22	317	313	378	368	413	391	---	---				
23	319	311	379	369	399	395	---	---				
24	318	310	389	379	400	395	---	---				
25	316	312	394	388	401	397	---	---				
26	318	312	399	391	412	399	---	---				
27	322	314	398	388	425	412	---	---				
28	322	312	399	392	438	426	---	---				
29	321	311	398	394	456	440	---	---				
30	319	311	401	387	461	452	---	---				
31	---	---	388	365	---	---	---	---				

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.9	7.7	7.5	7.5	7.5	7.4	7.3	7.3	7.2	7.2	7.1	7.0
2	7.7	7.7	7.5	7.4	7.5	7.4	7.3	7.3	7.3	7.2	7.1	7.1
3	7.7	7.7	7.4	7.4	7.4	7.4	7.3	7.3	---	---	7.1	7.1
4	7.6	7.6	7.3	7.3	7.4	7.4	7.3	7.3	---	---	7.1	7.1
5	7.6	7.6	7.3	7.2	7.5	7.4	---	---	7.3	7.3	7.2	7.1
6	7.6	7.5	7.2	7.1	7.5	7.4	---	---	7.4	7.3	7.2	7.2
7	7.5	7.5	7.1	7.1	7.5	7.4	---	---	7.4	7.4	7.2	7.2
8	7.5	7.5	7.1	7.1	7.5	7.4	---	---	7.4	7.4	7.2	7.2
9	7.5	7.4	7.2	7.2	7.4	7.4	---	---	7.4	7.4	7.3	7.2
10	7.5	7.4	7.2	7.2	7.4	7.4	---	---	7.4	7.4	7.3	7.3
11	7.5	7.4	7.2	7.2	7.4	7.4	---	---	7.5	7.4	7.3	7.3
12	7.5	7.5	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.3	7.3	7.3
13	7.5	7.5	7.3	7.3	7.4	7.3	7.4	7.3	7.3	7.3	7.3	7.3
14	7.5	7.5	7.4	7.3	7.3	7.3	7.4	7.3	7.2	7.1	7.3	7.3
15	7.6	7.5	7.4	7.4	7.3	7.3	7.4	7.3	7.2	7.2	7.3	7.3
16	7.6	7.6	7.5	7.4	7.3	7.3	7.3	7.3	7.2	7.2	7.3	7.3
17	7.6	7.5	7.5	7.5	7.3	7.2	7.4	7.3	7.2	7.2	7.3	7.3
18	7.6	7.5	7.5	7.5	7.3	7.2	7.4	7.3	7.2	7.1	7.3	7.3
19	7.6	7.6	7.5	7.5	7.2	7.2	7.3	7.3	7.1	7.1	7.3	7.3
20	7.6	7.6	7.6	7.5	7.2	7.2	7.3	7.3	7.1	7.1	7.3	7.3
21	7.6	7.6	7.6	7.6	7.2	7.2	7.3	7.3	7.1	7.1	7.3	7.3
22	7.6	7.6	7.6	7.6	7.2	7.2	7.3	7.2	7.1	7.0	7.3	7.3
23	7.6	7.6	7.6	7.5	7.3	7.3	7.2	7.2	7.0	7.0	7.3	7.3
24	7.7	7.6	7.5	7.5	7.3	7.3	7.2	7.1	7.0	7.0	7.3	7.3
25	7.7	7.7	7.6	7.5	7.3	7.3	7.1	7.1	7.0	6.9	7.3	7.2
26	7.7	7.7	7.6	7.5	7.4	7.3	7.1	7.0	7.0	6.9	7.2	7.2
27	7.7	7.7	7.6	7.5	7.3	7.3	7.0	7.0	7.0	7.0	7.2	7.1
28	7.7	7.6	7.6	7.5	7.3	7.3	7.5	7.0	7.0	7.0	7.1	7.1
29	7.7	7.6	7.5	7.5	7.4	7.3	7.1	7.1	7.0	7.0	7.1	7.0
30	7.6	7.6	7.5	7.5	7.3	7.3	7.1	7.1	---	---	7.1	7.0
31	7.6	7.5	---	---	7.3	7.3	7.2	7.1	---	---	7.0	7.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.0	7.0	6.9	6.8	7.0	7.0	7.1	7.0	7.1	7.0	7.1	7.0
2	7.0	7.0	6.8	6.8	7.0	7.0	7.1	7.0	7.1	7.0	7.1	7.0
3	7.0	6.9	6.8	6.8	7.0	7.0	7.1	7.0	7.0	7.0	7.1	7.1
4	6.9	6.9	6.8	6.8	7.0	7.0	7.0	7.0	7.0	6.9	7.1	7.1
5	6.9	6.9	6.9	6.8	7.0	7.0	7.0	7.0	7.0	6.9	7.1	7.1
6	6.9	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	6.9	7.1	7.1
7	6.9	6.9	6.9	6.9	7.0	7.0	7.1	7.0	7.0	7.0	7.1	7.0
8	7.0	6.9	6.9	6.9	7.0	7.0	7.1	7.0	7.1	7.0	---	---
9	7.0	6.8	6.9	6.9	7.0	7.0	7.0	7.0	7.1	7.1	---	---
10	6.9	6.9	6.9	6.9	7.0	7.0	7.1	7.0	7.2	7.1	7.2	7.2
11	6.9	6.9	7.0	6.9	7.0	7.0	7.1	7.0	7.2	7.2	7.3	7.2
12	7.1	6.9	7.3	7.0	7.1	7.0	7.1	7.0	7.2	7.2	7.2	7.2
13	7.0	7.0	7.3	7.3	7.1	7.0	7.1	7.0	7.2	7.1	7.2	7.2
14	7.0	7.0	7.3	7.3	7.1	7.1	7.1	7.0	7.2	7.1	7.2	7.2
15	7.0	6.9	7.3	7.3	7.2	7.1	7.1	7.1	7.2	7.1	7.2	7.2
16	7.0	6.9	7.3	7.3	7.2	7.1	7.1	7.1	7.2	7.2	7.2	7.2
17	7.0	6.9	7.3	7.3	7.2	7.2	7.1	7.1	7.2	7.1	7.3	7.2
18	6.9	6.9	7.3	7.3	7.2	7.2	7.1	7.1	7.2	7.1	7.3	7.3
19	6.9	6.9	7.2	7.1	7.2	7.1	7.1	7.1	7.1	7.1	7.4	7.3
20	7.0	6.9	7.2	7.2	7.1	7.0	7.1	7.1	7.2	7.1	7.4	7.3
21	7.0	6.9	7.2	7.1	7.0	7.0	7.1	7.1	7.2	7.2	7.4	7.3
22	7.0	7.0	7.1	7.1	7.0	7.0	7.1	7.1	7.2	7.2	7.4	7.1
23	7.0	7.0	7.1	7.1	7.0	6.9	7.1	7.1	7.2	7.2	7.2	7.2
24	7.0	7.0	7.1	7.1	7.0	7.0	7.1	7.1	7.2	7.2	---	---
25	7.0	7.0	7.1	7.0	7.0	7.0	7.2	7.1	7.3	7.2	---	---
26	7.0	6.9	7.0	7.0	7.0	7.0	7.2	7.1	7.3	7.3	---	---
27	7.0	6.9	7.0	6.9	7.0	7.0	7.2	7.1	7.3	7.3	---	---
28	6.9	6.9	7.0	7.0	7.1	7.0	7.2	7.2	7.3	7.2	---	---
29	6.9	6.9	7.0	7.0	7.1	7.0	7.2	7.0	7.2	7.1	---	---
30	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.0	7.1	7.0	---	---
31	---	---	7.0	7.0	---	---	7.1	7.0	7.1	7.0	---	---

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24.0	23.5	19.0	19.0	12.0	11.5	8.5	8.0	7.5	7.0	8.0	7.5
2	23.5	23.5	19.0	19.0	11.5	11.5	8.5	8.0	7.0	6.5	7.5	7.5
3	23.5	23.5	19.0	18.5	11.5	11.0	8.5	8.5	---	---	7.5	7.0
4	23.5	23.5	18.5	18.5	11.0	10.5	8.5	7.5	---	---	7.5	7.5
5	23.5	23.0	18.5	18.0	10.5	10.5	---	---	6.0	5.5	8.0	7.5
6	23.0	22.5	18.0	18.0	10.5	10.0	---	---	5.5	5.5	7.5	7.5
7	23.0	22.5	17.5	17.0	10.0	9.5	---	---	5.5	5.0	7.5	7.5
8	23.0	22.5	17.5	17.0	9.5	9.5	---	---	5.5	5.0	7.5	7.5
9	22.5	22.5	17.5	17.0	9.5	9.5	---	---	5.5	5.0	7.5	7.5
10	22.5	22.0	17.0	17.0	9.5	9.0	---	---	5.5	5.0	8.0	7.5
11	22.0	22.0	17.0	16.5	9.5	9.0	---	---	5.0	5.0	7.5	7.5
12	22.0	21.5	16.5	16.0	9.5	9.0	8.0	7.5	5.0	5.0	8.0	7.5
13	21.5	21.0	16.0	15.5	9.0	9.0	7.5	7.0	5.0	5.0	8.5	8.0
14	21.0	20.5	15.5	15.0	9.0	9.0	8.0	7.5	5.5	5.0	8.5	8.0
15	21.0	20.5	15.0	14.5	9.0	9.0	8.0	7.5	5.5	5.0	8.5	8.0
16	20.5	20.0	14.5	14.0	9.0	8.5	8.5	8.0	5.0	4.5	9.0	8.5
17	20.5	20.0	14.0	14.0	8.5	8.0	8.0	8.0	5.0	4.5	9.5	9.0
18	20.0	20.0	14.0	13.5	8.0	8.0	8.0	7.5	5.0	4.5	9.5	9.0
19	20.0	20.0	13.5	13.5	8.5	7.5	8.0	7.5	5.0	4.5	9.5	9.0
20	20.0	20.0	13.5	13.0	8.0	8.0	8.0	8.0	5.5	5.0	9.5	9.5
21	20.0	20.0	13.5	13.0	8.0	8.0	8.5	8.0	6.0	5.5	10.0	9.5
22	20.0	20.0	13.5	13.0	8.0	8.0	8.5	8.0	6.0	5.5	9.5	9.0
23	20.0	19.5	13.0	12.5	8.5	8.0	8.0	8.0	6.5	6.0	9.5	9.0
24	19.5	19.5	13.0	12.5	8.0	8.0	8.5	8.0	7.0	6.5	10.0	9.5
25	19.5	19.5	12.5	12.5	8.0	7.5	8.5	8.0	7.0	6.5	10.0	10.0
26	19.5	19.0	12.5	12.5	8.0	7.5	8.5	8.0	7.5	7.0	10.0	10.0
27	19.5	19.0	12.5	12.5	8.0	7.5	8.5	8.0	8.0	7.0	10.0	10.0
28	19.5	19.0	12.5	12.5	8.0	7.5	8.0	8.0	8.5	8.0	10.0	10.0
29	19.5	19.0	12.5	12.0	8.0	8.0	8.0	8.0	8.5	8.0	10.5	10.0
30	19.5	19.0	12.0	12.0	8.0	8.0	8.0	8.0	---	---	10.5	10.5
31	19.5	19.0	---	---	8.5	8.0	8.0	7.5	---	---	11.0	10.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.5	11.0	16.5	15.5	23.5	23.5	28.0	27.5	31.5	30.5	30.0	29.5
2	11.5	11.5	16.5	16.5	24.0	23.5	28.5	28.0	31.0	30.0	29.5	29.0
3	12.0	11.5	17.0	16.5	24.0	24.0	28.5	28.0	30.5	30.0	29.5	29.0
4	12.0	12.0	17.5	17.0	24.5	24.0	28.5	28.0	30.5	30.0	29.5	29.0
5	12.0	12.0	18.5	17.0	25.0	24.5	28.5	28.5	30.5	30.5	29.0	28.5
6	12.5	12.0	19.0	18.5	25.0	25.0	29.0	28.5	30.5	30.5	28.5	28.5
7	13.0	12.5	19.5	19.0	25.5	25.0	29.5	29.0	31.0	30.5	28.5	28.5
8	15.0	13.0	19.5	19.5	26.0	25.5	30.0	29.5	31.0	30.5	29.0	28.5
9	14.0	13.5	20.0	19.5	26.0	26.0	30.5	30.0	31.0	30.5	29.0	28.5
10	14.0	13.5	20.5	20.0	26.5	26.0	31.0	30.5	30.5	30.5	29.0	28.5
11	14.5	14.0	20.5	20.5	26.5	26.0	31.5	31.0	31.0	30.5	29.0	28.5
12	15.5	14.5	21.0	20.0	26.5	26.5	31.5	31.5	31.0	30.5	29.5	29.0
13	15.5	15.5	20.5	20.0	27.0	26.5	32.0	31.5	31.0	30.5	29.5	29.0
14	15.5	15.0	20.5	20.0	27.0	26.5	32.5	32.0	31.0	30.5	29.5	29.5
15	15.0	14.0	20.5	20.5	27.0	26.5	32.5	32.0	31.0	30.5	30.0	29.5
16	15.0	14.0	20.5	20.5	27.0	26.5	32.5	32.0	31.0	30.5	30.0	30.0
17	15.0	14.0	21.0	20.5	27.0	27.0	32.5	32.0	31.0	30.5	30.0	29.5
18	14.0	14.0	21.0	21.0	27.0	27.0	32.5	32.0	31.0	31.0	29.5	29.5
19	14.0	14.0	21.0	21.0	27.0	26.5	32.5	32.0	31.0	31.0	29.5	29.5
20	15.0	14.0	21.0	21.0	27.0	26.5	32.5	32.0	31.0	31.0	29.5	29.0
21	14.0	13.5	21.0	21.0	27.0	26.5	32.5	32.0	31.5	31.0	29.5	29.0
22	14.0	13.5	21.5	21.0	26.5	26.5	32.5	32.0	31.5	31.0	29.0	29.0
23	14.0	13.5	22.0	21.5	26.5	26.5	32.0	32.0	31.5	31.0	---	---
24	14.5	14.0	22.0	22.0	26.5	26.0	32.0	32.0	31.5	31.0	---	---
25	15.0	14.5	22.5	22.0	26.5	26.5	32.0	32.0	31.0	31.0	---	---
26	15.5	15.0	23.0	22.5	26.5	26.5	32.0	32.0	31.0	30.5	---	---
27	15.5	15.0	23.0	23.0	27.0	26.5	32.0	32.0	30.5	30.5	---	---
28	15.5	15.5	23.5	23.0	27.0	27.0	32.0	31.5	30.5	30.0	---	---
29	16.0	15.5	23.5	23.0	27.5	27.0	31.5	30.5	30.0	30.0	---	---
30	16.0	16.0	23.5	23.5	27.5	27.0	31.0	30.5	30.0	29.5	---	---
31	---	---	23.5	23.5	---	---	31.5	30.5	30.0	29.5	---	---

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	9.8	9.7	---	---	11.2	11.1	11.3	11.3
2			---	---	9.7	9.6	---	---	11.4	11.2	11.4	11.3
3			---	---	9.8	9.7	---	---	---	---	11.4	11.4
4			---	---	9.9	9.7	---	---	---	---	11.5	11.4
5			---	---	10.0	9.7	---	---	11.9	11.7	11.6	11.4
6			---	---	10.0	10.0	---	---	11.9	11.8	11.6	11.5
7			---	---	10.2	10.0	---	---	12.1	11.9	11.7	11.6
8			---	---	10.3	10.2	---	---	12.2	12.1	11.7	11.7
9			---	---	10.4	10.3	---	---	12.2	12.2	11.7	11.6
10			---	---	10.5	10.4	---	---	12.3	12.2	11.9	11.6
11			---	---	10.6	10.4	---	---	12.3	12.2	11.9	11.8
12			---	---	10.6	10.5	11.1	11.0	12.3	12.2	11.8	11.7
13			---	---	10.7	10.6	11.1	10.7	12.3	12.1	11.7	11.5
14			---	---	10.7	10.7	11.2	10.7	12.1	11.9	11.5	11.4
15			---	---	10.8	10.7	11.1	10.8	12.2	12.0	11.4	11.0
16			---	---	10.8	10.7	10.9	10.8	12.2	12.2	11.1	11.0
17			---	---	10.7	10.7	11.1	10.9	12.2	12.2	11.0	10.6
18			---	---	---	---	11.2	11.1	12.3	12.2	10.7	10.6
19			---	---	---	---	11.1	11.1	12.2	12.2	10.6	10.5
20			---	---	---	---	11.0	11.0	12.2	12.1	10.5	10.4
21			---	---	---	---	11.0	11.0	12.1	12.1	10.4	10.3
22			---	---	---	---	11.0	11.0	12.1	12.0	10.5	10.3
23			---	---	---	---	11.1	11.0	12.0	11.9	10.5	10.4
24			---	---	---	---	11.1	11.1	11.9	11.8	10.4	10.2
25			---	---	---	---	11.1	11.1	11.8	11.7	10.2	10.0
26			---	---	---	---	11.1	10.9	11.8	11.7	10.0	9.9
27			9.9	9.8	---	---	10.9	10.9	11.7	11.4	9.9	9.8
28			9.9	9.8	---	---	11.1	10.9	11.4	11.4	9.8	9.7
29			9.9	9.8	---	---	11.1	11.1	11.4	11.3	9.7	9.5
30			9.9	9.8	---	---	11.1	11.1	---	---	9.6	9.5
31			---	---	---	---	11.1	11.1	---	---	9.5	9.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.3	9.2	8.4	8.1	6.9	6.7	5.6	5.2	6.5	6.0		
2	9.3	9.2	8.1	8.0	7.0	6.9	5.2	5.1	6.4	5.7		
3	9.2	9.1	8.0	7.8	7.0	6.9	5.2	5.0	5.8	5.5		
4	9.1	9.0	7.8	7.8	7.0	6.9	5.1	5.1	5.6	5.1		
5	9.1	9.0	8.0	7.7	6.9	6.6	5.2	5.0	5.9	5.1		
6	9.0	8.9	7.9	7.8	6.9	6.6	5.1	5.0	6.0	5.9		
7	8.9	8.8	7.8	7.6	6.8	6.6	5.2	5.1	6.1	5.9		
8	9.5	8.8	7.6	7.4	6.8	6.7	5.8	5.6	6.1	6.0		
9	9.2	8.7	7.4	7.3	6.7	6.6	5.7	5.6	6.1	5.9		
10	8.9	8.7	7.3	7.2	6.7	6.5	5.7	5.6	6.3	5.9		
11	8.8	8.7	7.2	7.2	6.5	6.3	5.7	5.6	---	---		
12	9.3	8.8	7.6	7.2	6.4	6.3	5.7	5.5	---	---		
13	9.1	8.9	7.6	7.6	6.5	6.3	5.7	5.5	---	---		
14	8.9	8.7	7.7	7.6	6.5	6.3	5.8	5.7	---	---		
15	8.7	8.6	7.8	7.7	6.5	6.3	6.1	5.8	---	---		
16	8.9	8.5	7.9	7.7	6.6	6.3	6.1	5.9	---	---		
17	8.8	8.6	7.8	7.7	6.4	6.3	6.2	6.0	---	---		
18	8.6	8.5	7.7	7.5	6.3	5.8	6.2	6.1	---	---		
19	8.6	8.5	7.5	7.1	5.7	5.4	6.2	5.8	---	---		
20	8.7	8.5	7.5	7.4	5.5	5.3	6.1	5.9	6.4	6.0		
21	9.5	8.4	7.4	7.2	5.4	5.2	---	---	6.5	6.2		
22	8.9	8.8	7.2	7.1	5.3	5.2	---	---	6.3	5.8		
23	8.8	8.8	7.1	7.0	5.7	5.4	---	---	---	---		
24	8.8	8.8	7.1	6.9	5.7	5.6	---	---	---	---		
25	8.8	8.7	6.9	6.6	5.7	4.8	---	---	---	---		
26	8.8	8.7	6.6	6.5	5.8	5.0	---	---	---	---		
27	8.7	8.7	6.5	6.4	5.8	5.7	---	---	---	---		
28	8.7	8.6	6.5	6.5	5.8	5.7	---	---	---	---		
29	8.6	8.5	6.7	6.5	5.8	5.7	---	---	---	---		
30	8.5	8.4	6.8	6.7	5.7	5.6	6.4	6.1	---	---		
31	---	---	6.8	6.7	---	---	6.5	6.1	---	---		

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	9.8	9.7	---	---	11.2	11.1	11.3	11.3
2			---	---	9.7	9.6	---	---	11.4	11.2	11.4	11.3
3			---	---	9.8	9.7	---	---	---	---	11.4	11.4
4			---	---	9.9	9.7	---	---	---	---	11.5	11.4
5			---	---	10.0	9.7	---	---	11.9	11.7	11.6	11.4
6			---	---	10.0	10.0	---	---	11.9	11.8	11.6	11.5
7			---	---	10.2	10.0	---	---	12.1	11.9	11.7	11.6
8			---	---	10.3	10.2	---	---	12.2	12.1	11.7	11.7
9			---	---	10.4	10.3	---	---	12.2	12.2	11.7	11.6
10			---	---	10.5	10.4	---	---	12.3	12.2	11.9	11.6
11			---	---	10.6	10.4	---	---	12.3	12.2	11.	11.8
12			---	---	10.6	10.5	11.1	11.0	12.3	12.2	11.8	11.7
13			---	---	10.7	10.6	11.1	10.7	12.3	12.1	11.7	11.5
14			---	---	10.7	10.7	11.2	10.7	12.1	11.9	11.5	11.4
15			---	---	10.8	10.7	11.1	10.8	12.2	12.0	11.4	11.0
16			---	---	10.8	10.7	10.9	10.8	12.2	12.2	11.1	11.0
17			---	---	10.7	10.7	11.1	10.9	12.2	12.2	11.0	10.6
18			---	---	---	---	11.2	11.1	12.3	12.2	10.7	10.6
19			---	---	---	---	11.1	11.1	12.2	12.2	10.6	10.5
20			---	---	---	---	11.0	11.0	12.2	12.1	10.5	10.4
21			---	---	---	---	11.0	11.0	12.1	12.1	10.4	10.3
22			---	---	---	---	11.0	11.0	12.1	12.0	10.5	10.3
23			---	---	---	---	11.1	11.0	12.0	11.9	10.5	10.4
24			---	---	---	---	11.1	11.1	11.9	11.8	10.4	10.2
25			---	---	---	---	11.1	11.1	11.8	11.7	10.2	10.0
26			---	---	---	---	11.1	10.9	11.8	11.7	10.0	9.9
27			9.9	9.8	---	---	10.9	10.9	11.7	11.4	9.9	9.8
28			9.9	9.8	---	---	11.1	10.9	11.4	11.4	9.8	9.7
29			9.9	9.8	---	---	11.1	11.1	11.4	11.3	9.7	9.5
30			9.9	9.8	---	---	11.1	11.1	---	---	9.6	9.5
31			---	---	---	---	11.1	11.1	---	---	9.5	9.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.3	9.2	8.4	8.1	6.9	6.7	5.6	5.2	6.5	6.0		
2	9.3	9.2	8.1	8.0	7.0	6.9	5.2	5.1	6.4	5.7		
3	9.2	9.1	8.0	7.8	7.0	6.9	5.2	5.0	5.8	5.5		
4	9.1	9.0	7.8	7.8	7.0	6.9	5.1	5.1	5.6	5.1		
5	9.1	9.0	8.0	7.7	6.9	6.6	5.2	5.0	5.9	5.1		
6	9.0	8.9	7.9	7.8	6.9	6.6	5.1	5.0	6.0	5.9		
7	8.9	8.8	7.8	7.6	6.8	6.6	5.2	5.1	6.1	5.9		
8	9.5	8.8	7.6	7.4	6.8	6.7	5.8	5.6	6.1	6.0		
9	9.2	8.7	7.4	7.3	6.7	6.6	5.7	5.6	6.1	5.9		
10	8.9	8.7	7.3	7.2	6.7	6.5	5.7	5.6	6.3	5.9		
11	8.8	8.7	7.2	7.2	6.5	6.3	5.7	5.6	---	---		
12	9.3	8.8	7.6	7.2	6.4	6.3	5.7	5.5	---	---		
13	9.1	8.9	7.6	7.6	6.5	6.3	5.7	5.5	---	---		
14	8.9	8.7	7.7	7.6	6.5	6.3	5.8	5.7	---	---		
15	8.7	8.6	7.8	7.7	6.5	6.3	6.1	5.8	---	---		
16	8.9	8.5	7.9	7.7	6.6	6.3	6.1	5.9	---	---		
17	8.8	8.6	7.8	7.7	6.4	6.3	6.2	6.0	---	---		
18	8.6	8.5	7.7	7.5	6.3	5.8	6.2	6.1	---	---		
19	8.6	8.5	7.5	7.1	5.7	5.4	6.2	5.8	---	---		
20	8.7	8.5	7.5	7.4	5.5	5.3	6.1	5.9	6.4	6.0		
21	9.5	8.4	7.4	7.2	5.4	5.2	---	---	6.5	6.2		
22	8.9	8.8	7.2	7.1	5.3	5.2	---	---	6.3	5.8		
23	8.8	8.8	7.1	7.0	5.7	5.4	---	---	---	---		
24	8.8	8.8	7.1	6.9	5.7	5.6	---	---	---	---		
25	8.8	8.7	6.9	6.6	5.7	4.8	---	---	---	---		
26	8.8	8.7	6.6	6.5	5.8	5.0	---	---	---	---		
27	8.7	8.7	6.5	6.4	5.8	5.7	---	---	---	---		
28	8.7	8.6	6.5	6.5	5.8	5.7	---	---	---	---		
29	8.6	8.5	6.7	6.5	5.8	5.7	---	---	---	---		
30	8.5	8.4	6.8	6.7	5.7	5.6	6.4	6.1	---	---		
31	---	---	6.8	6.7	---	---	6.5	6.1	---	---		

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°51'25", long 89°58'40", in lot 20, T.14 S., R.12 E., Plaquemines Parish, Hydrologic Unit 08090100, at ferry crossing at Belle Chasse, and at mile 76.0.

DRAINAGE AREA.--1,129,930 mi² (2,926,500 km²), arbitrarily determined.

PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to current year.
WATER TEMPERATURES: October 1975 to current year.
CHLORIDE: October 1974 to current year.
SULFATE: October 1974 to September 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 621 micromhos June 26, 1977; minimum, 248 micromhos Mar. 31, 1976, Jan. 24, 1979.
WATER TEMPERATURES: Maximum, 32.0°C several days in July and August, 1977, July 16, 17, 18, 1980; minimum, 2.0°C Feb. 6,8,10,11,1978.
CHLORIDE: Maximum, 85 mg/L June 26, 27, 1977; minimum, 11 mg/L Apr. 21, May 12, 1976.
SULFATE: Maximum, 93 mg/L Oct. 30, 1976; minimum, 28 mg/L Apr. 1, 1976.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 532 micromhos Sep. 21; minimum, 285 micromhos Apr. 7, 8.
WATER TEMPERATURES: Maximum, 32.0°C July 16, 17, 18; minimum, 6.0°C Feb. 18.
CHLORIDE: Maximum, 50 mg/L Apr. 23; minimum, 15 mg/L Apr. 28.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
03...	1730	526000	338	7.8	24.0	10	66	7.6	.0	K17000	1000
31...	0900	346000	407	7.4	19.5	10	22	8.5	1.2	1200	K400
DEC											
12...	0830	700000	356	7.2	9.5	15	110	10.1	2.1	660	450
JAN											
10...	1100	606000	342	7.4	7.5	20	--	10.8	2.1	200	490
FEB											
07...	0930	499000	367	7.5	5.0	20	48	12.3	3.1	K2400	260
MAR											
04...	0900	436000	398	7.3	7.0	5	48	11.1	2.5	1100	260
APR											
17...	1345	--	308	7.1	14.0	5	90	8.7	1.0	760	330
MAY											
05...	1700	810000	336	7.1	17.5	5	65	8.0	5.7	K460	1100
JUN											
18...	1145	498000	469	7.2	27.0	5	35	7.7	.6	K900	410
JUL											
09...	1420	397000	475	7.1	30.5	15	12	5.4	1.0	3300	760
AUG											
07...	0840	177000	450	7.1	30.0	5	--	5.7	--	K17000	K2600
SEP											
09...	1500	236000	460	7.2	29.0	10	22	6.3	5.9	K3800	300

K Results based on colony count outside the acceptable range (non-ideal count).

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
OCT											
03...	150	42	39	12	18	21	.6	2.9	128	0	105
31...	150	53	42	12	23	31	.8	3.4	124	0	102
DEC											
12...	130	41	32	11	23	28	.9	3.1	103	0	84
JAN											
10...	140	45	38	9.7	16	20	.6	3.0	110	0	90
FEB											
07...	140	52	38	12	17	20	.6	2.6	112	0	92
MAR											
04...	150	44	40	12	21	23	.7	3.1	128	0	105
APR											
17...	110	35	31	8.4	15	22	.6	3.2	94	0	77
MAY											
05...	130	44	35	10	17	22	.7	3.7	103	0	84
JUN											
18...	170	64	44	14	28	26	.9	3.3	126	0	103
JUL											
09...	170	55	43	14	28	26	.9	4.1	134	0	110
AUG											
07...	150	44	40	12	27	28	1.0	3.9	128	0	105
SEP											
09...	160	67	41	14	30	28	1.0	4.3	114	0	94

DATE	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
OCT											
03...	3.2	49	20	.2	7.7	221	213	.30	1.2	1.2	.02
31...	7.8	59	28	.3	6.4	245	236	.33	1.2	1.4	.06
DEC											
12...	10	47	25	.2	6.7	211	200	.29	1.1	1.1	.13
JAN											
10...	7.0	40	25	.3	7.0	213	188	.29	--	1.3	--
FEB											
07...	5.8	47	22	.2	6.6	216	202	.29	1.4	1.3	.09
MAR											
04...	10	49	26	.3	6.6	226	222	.31	1.2	1.2	.24
APR											
17...	12	37	17	.3	6.4	185	166	.25	1.3	1.2	.12
MAY											
05...	13	44	25	.2	6.4	229	194	.31	1.4	1.4	.22
JUN											
18...	13	71	32	.4	3.7	272	260	.37	1.1	1.1	--
JUL											
09...	17	62	38	.5	7.6	284	266	.39	2.6	2.5	.02
AUG											
07...	17	55	34	.7	6.7	263	244	.36	1.4	1.4	.04
SEP											
09...	11	84	34	.4	6.4	306	272	.42	1.2	1.4	.07

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, DIS-SOLVED (MG/L AS N)
OCT										
03...	.02	.02	.03	.77	.53	.79	.24	.55	2.0	1.8
31...	.04	.07	.05	.61	.28	.67	.35	.32	1.9	1.7
DEC										
12...	.12	.16	.15	.80	.48	.93	.33	.60	2.0	1.7
JAN										
10...	.06	--	.08	--	.75	--	--	.81	--	2.1
FEB										
07...	.08	.11	.10	.66	.54	.75	.13	.62	2.2	1.9
MAR										
04...	.18	.29	.23	.86	.52	1.1	.40	.70	2.3	1.9
APR										
17...	.12	.15	.15	1.3	1.2	1.4	.10	1.3	2.7	2.5
MAY										
05...	.13	.27	.17	1.3	1.4	1.5	.00	1.5	2.9	2.9
JUN										
18...	.09	--	.12	--	.37	2.6	2.1	.46	3.7	1.6
JUL										
09...	.03	.02	.04	1.4	1.1	1.4	.30	1.1	4.0	3.6
AUG										
07...	.00	.05	.00	1.2	.53	1.2	.67	.53	2.6	1.9
SEP										
09...	.07	.08	.09	1.3	1.4	1.4	--	1.5	2.6	2.9

DATE	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
OCT										
03...	8.8	.280	.86	.100	0	0	0	--	--	--
31...	8.3	.150	.46	.090	--	--	--	9.3	--	--
DEC										
12...	9.0	.220	.67	.110	0	--	--	7.3	--	--
JAN										
10...	--	--	--	.100	0	0	0	--	9.3	.9
FEB										
07...	9.5	.140	.43	.050	--	--	--	6.2	--	--
MAR										
04...	10	.210	.64	.060	0	--	--	6.7	--	--
APR										
17...	12	.400	1.2	.150	0	0	0	--	5.7	.7
MAY										
05...	13	.170	.52	.070	0	--	--	8.9	--	--
JUN										
18...	16	.240	.74	.100	--	--	--	6.7	--	--
JUL										
09...	18	--	--	.130	0	0	0	--	7.6	4.4
AUG										
07...	12	.180	.55	.130	0	--	--	4.0	--	--
SEP										
09...	12	.260	.80	.220	--	--	--	7.4	--	--

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
OCT 03...	6	4	2	200	130	70	0	--	<1	0	0	0
JAN 10...	2	1	1	200	150	50	1	--	2	0	0	0
APR 17...	3	2	1	300	250	50	1	0	1	10	10	0
JUL 09...	4	2	2	100	30	70	1	0	1	10	10	0

DATE	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 03...	3	0	3	15	11	4	4400	4400	50	10	10	0
JAN 10...	5	2	3	22	22	0	5000	4900	70	19	17	2
APR 17...	4	1	3	120	110	8	8000	7900	100	15	15	0
JUL 09...	4	--	<3	44	32	12	7600	7600	10	280	280	2

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
OCT 03...	250	250	4	.0	.0	.0	7	7	0	0	0	0
JAN 10...	220	210	7	.2	.2	.0	9	4	5	0	0	0
APR 17...	270	250	20	.0	--	.2	12	9	3	0	0	0
JUL 09...	330	330	2	.1	.1	.0	13	8	5	1	0	1

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)
OCT 03...	10	0	10	<3.1	3.8	<2.1	2.6	3.9	2.4	3.6	2.5	.08
JAN 10...	40	10	30	--	--	--	--	--	--	--	--	--
APR 17...	50	50	5	<2.1	6.2	<1.4	4.2	3.3	3.8	3.3	3.9	.09
JUL 09...	90	70	20	--	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
03...	1.0	1800	264	375000	96
31...	--	4700	90	84100	91
DEC					
12...	--	--	333	629000	76
JAN					
10...	--	--	252	412000	80
FEB					
07...	--	--	184	248000	84
MAR					
04...	--	2600	165	194000	95
APR					
17...	.70	--	387	--	68
MAY					
05...	--	760	285	623000	77
JUN					
18...	--	12000	195	262000	91
JUL					
09...	--	3500	290	311000	99
AUG					
07...	--	5800	104	49700	99
SEP					
09...	--	--	72	45900	93

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	388	418	---	381	344	404	307	326	380	490	439	492
2	370	427	---	387	348	396	303	330	360	490	445	492
3	364	437	---	387	347	388	293	325	350	480	465	485
4	350	438	---	378	361	---	292	322	350	480	466	---
5	350	438	---	363	364	404	---	329	350	490	457	503
6	343	434	---	378	364	411	---	335	360	480	471	498
7	328	427	---	364	362	410	285	333	370	480	473	467
8	331	427	---	349	366	415	285	336	---	470	463	---
9	339	437	---	351	368	422	289	347	370	470	---	451
10	352	446	---	343	365	436	294	355	380	463	---	459
11	353	449	---	342	373	446	298	359	400	464	---	454
12	370	453	---	339	368	457	302	364	420	455	508	442
13	372	463	350	350	362	466	303	381	---	---	484	442
14	364	463	353	345	366	467	310	389	440	457	488	469
15	362	463	362	362	363	469	309	411	440	450	---	485
16	370	460	373	344	350	473	311	411	450	459	---	496
17	362	463	371	347	352	466	304	406	460	466	---	501
18	356	436	357	356	366	430	291	---	470	481	526	508
19	360	436	380	377	---	410	294	414	470	488	512	509
20	361	423	375	---	376	403	303	394	470	489	512	513
21	369	412	381	383	---	402	310	407	---	479	505	532
22	377	424	397	385	398	377	313	404	400	485	506	514
23	380	419	392	394	399	367	313	390	410	463	496	511
24	374	408	394	379	391	361	315	390	410	475	498	---
25	387	410	389	363	395	346	312	400	410	465	501	511
26	378	398	389	354	393	332	316	410	410	454	504	463
27	391	384	389	356	397	333	317	410	420	454	490	483
28	388	389	377	344	398	323	321	410	440	447	522	483
29	408	---	371	353	400	311	323	420	460	450	527	463
30	426	---	372	353	---	293	326	420	480	453	531	462
31	415	---	389	344	---	312	---	---	---	451	520	---

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	20.0	---	10.0	10.0	10.0	13.0	18.0	25.0	28.0	30.0	31.0
2	25.0	19.0	---	10.0	8.0	10.0	13.0	19.0	25.0	28.0	30.0	31.0
3	24.0	19.0	---	9.0	---	8.0	15.0	18.0	25.0	28.0	30.0	31.0
4	25.0	19.0	---	9.0	7.0	---	15.0	19.0	25.0	28.0	30.0	---
5	24.0	19.0	---	9.0	7.0	9.0	---	19.0	25.0	28.0	30.0	30.0
6	23.0	19.0	---	9.0	8.0	9.0	---	19.0	25.0	28.0	30.0	30.0
7	23.0	19.0	---	11.0	---	10.0	16.0	19.0	25.0	28.0	---	30.0
8	24.0	19.0	---	8.0	7.0	10.0	14.0	20.0	---	29.0	30.0	---
9	24.0	19.0	---	8.0	7.0	12.0	14.0	20.0	26.0	30.0	---	30.0
10	23.0	19.0	---	---	7.0	11.0	14.0	20.0	26.0	30.0	---	29.0
11	23.0	19.0	---	9.0	7.0	11.0	15.0	21.0	26.0	30.0	---	29.0
12	23.0	18.0	---	9.0	7.0	10.0	15.0	21.0	26.0	30.0	30.0	30.0
13	22.0	17.0	---	9.0	7.0	10.0	15.0	21.0	---	---	30.0	30.0
14	21.0	16.0	---	9.0	7.0	10.0	16.0	21.0	27.0	31.0	31.0	29.0
15	21.0	16.0	---	10.0	8.0	11.0	16.0	---	27.0	31.0	---	29.0
16	23.0	15.0	10.0	10.0	8.0	11.0	16.0	22.0	27.0	32.0	---	30.0
17	22.0	16.0	10.0	11.0	7.0	12.0	16.0	21.0	27.0	32.0	---	30.0
18	22.0	15.0	10.0	11.0	6.0	12.0	16.0	---	27.0	32.0	30.0	30.0
19	22.0	15.0	9.0	9.0	---	11.0	15.0	22.0	27.0	31.0	30.0	30.0
20	22.0	15.0	11.0	---	---	[illegible]	16.0	22.0	27.0	31.0	30.0	30.0
21	---	16.0	11.0	10.0	---	14.0	16.0	22.0	---	31.0	30.0	29.0
22	22.0	15.0	11.0	10.0	9.0	14.0	16.0	23.0	27.0	31.0	31.0	30.0
23	22.0	15.0	11.0	9.0	9.0	14.0	16.0	22.0	27.0	30.0	31.0	30.0
24	20.0	14.0	11.0	9.0	9.0	14.0	17.0	22.0	27.0	31.0	31.0	30.0
25	20.0	14.0	10.0	9.0	8.0	12.0	18.0	23.0	27.0	31.0	30.0	30.0
26	20.0	14.0	10.0	9.0	8.0	11.0	18.0	23.0	27.0	31.0	31.0	29.0
27	20.0	15.0	9.0	9.0	8.0	11.0	18.0	23.0	27.0	31.0	31.0	29.0
28	20.0	14.0	10.0	9.0	9.0	12.0	17.0	23.0	28.0	30.0	30.0	29.0
29	20.0	---	10.0	10.0	9.0	12.0	17.0	23.0	28.0	29.0	30.0	30.0
30	21.0	---	10.0	11.0	---	13.0	17.0	23.0	28.0	30.0	30.0	29.0
31	20.0	---	10.0	11.0	---	14.0	---	---	---	---	30.0	---

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	28	---	22	25	30	20	25	30	45	32	38
2	22	32	---	26	25	30	25	20	25	45	35	37
3	24	34	---	26	25	35	25	20	25	40	36	35
4	24	34	---	25	25	30	25	20	30	40	38	---
5	22	26	---	23	20	30	---	25	25	45	41	39
6	22	30	---	21	25	35	---	20	25	40	42	38
7	18	28	---	21	25	35	20	25	30	40	38	33
8	18	28	---	17	20	30	20	25	---	40	37	---
9	20	28	---	19	25	35	25	25	30	40	---	34
10	22	30	---	25	20	35	20	25	30	42	---	34
11	22	30	---	25	20	35	25	30	35	37	---	36
12	24	32	---	20	25	40	20	30	30	36	46	34
13	22	32	26	25	25	40	20	35	---	---	39	33
14	22	30	28	20	25	40	30	35	35	36	38	40
15	20	30	30	25	25	40	25	35	35	35	---	42
16	24	30	30	20	25	30	20	30	35	33	---	41
17	22	32	32	25	25	30	25	30	30	36	---	43
18	22	26	30	20	25	25	30	---	30	38	45	45
19	22	34	34	25	---	---	30	30	30	37	43	44
20	20	32	26	25	25	25	30	30	30	36	44	39
21	24	32	32	---	25	30	45	30	---	34	42	44
22	20	32	32	25	35	25	40	30	35	43	45	41
23	24	32	30	25	30	25	50	30	25	37	41	40
24	20	28	32	25	25	25	20	30	30	39	38	48
25	24	32	30	25	---	25	25	30	30	36	41	41
26	20	28	28	20	25	25	25	30	35	32	39	39
27	24	24	28	25	30	25	20	35	35	31	39	34
28	22	26	28	20	30	25	15	40	40	30	43	34
29	26	---	24	25	35	25	25	35	40	32	38	36
30	28	---	26	25	---	25	20	30	45	31	38	34
31	26	---	32	25	---	25	---	---	---	32	41	---

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
OCT		
01-10	210	.29
11-20	216	.29
21-31	230	.31
NOV		
01-10	259	.35
11-20	277	.38
21-28	239	.33
DEC		
13-20	205	.28
21-31	220	.30
JAN		
01-10	232	.32
11-20	239	.33
21-31	235	.32
FEB		
01-10	229	.31
11-20	244	.33
21-29	264	.36
MAR		
01-10	233	.32
11-20	263	.36
21-31	202	.27
APR		
01-10	180	.24
11-20	185	.25
21-30	187	.25
MAY		
01-10	197	.27
11-20	234	.32
21-30	234	.32
JUN		
01-10	288	.28
11-20	250	.34
21-30	260	.35
JUL		
01-10	279	.38
11-20	271	.37
21-31	267	.36
AUG		
01-10	269	.37
11-20	281	.38
21-31	289	.39
SEP		
01-10	282	.38
11-20	278	.38
21-30	304	.41

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE	OCT 3,79	OCT 31,79	MAR 4,80	MAY 5,80
TIME	1730	0900	0900	1700
TOTAL CELLS/ML	1800	4700	2600	760
DIVERSITY: DIVISION	1.3	1.6	1.5	1.1
.CLASS	1.3	1.6	1.5	1.1
..ORDER	1.5	1.9	2.2	1.9
...FAMILY	2.2	2.3	2.2	1.9
....GENUS	3.1	3.0	0.0	2.9

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	*	0	--	-	--	-
...COELASTRACEAE								
....COELASTRUM	--	-	220	5	--	-	--	-
...HYDRODICTYACEAE								
....PEDIASTRUM	--	-	--	-	--	-	--	-
...MICRACTINIACEAE								
....MICRACTINIUM	--	-	--	-	29	1	100	14
...OOCYSTACEAE								
....ANKISTRODESMUS	25	1	*	0	57	2	--	-
....CHLORELLA	20	1	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	--	-	52	7
....KIRCHNERIELLA	*	0	*	0	--	-	--	-
....OOCYSTIS	--	-	55	1	57	2	--	-
....SELENASTRUM	--	-	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	--	-	13	2
....TREUBARIA	--	-	--	-	--	-	--	-
....WESTELLA	--	-	--	-	--	-	52	7
...SCENEDESMACEAE								
....ACTINASTRUM	41	2	610	13	--	-	--	-
....CRUCIGENIA	41	2	110	2	--	-	--	-
....SCENEDESMUS	46	3	360	8	--	-	--	-
....TETRASTRUM	--	-	280	6	57	2	--	-
..ULOTRICHALES								
...ULOTRICHACEAE								
....ULOTHRIX	--	-	83	2	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	10	1	*	0	270	11	39	5
...POLYBLEPHARIDACEAE								
....PYRAMIMONAS	--	-	--	-	14	1	--	-
..ZYGNEMATALES								
...DESMIDIACEAE								
....CLOSTERIUM	*	0	--	-	--	-	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...CHAETOCERACEAE								
....CHAETOCEROS	*	0	--	-	--	-	--	-
...COSCINODISCACEAE	--	-	--	-	43	2	--	-
....CYCLOTELLA	110	6	190	4	540#	21	52	7
....MELOSIRA	170	9	1100#	24	320	12	150#	20
....SKELETONEMA	170	9	--	-	--	-	--	-
....STEPHANODISCUS	--	-	--	-	57	2	13	2
..PENNALES								
...DIATOMACEAE								
....DIATOMA	--	-	--	-	14	1	--	-
...FRAGILARIACEAE								
....ASTERIONELLA	--	-	--	-	270	11	230#	31
....FRAGILARIA	--	-	--	-	100	4	--	-
....SYNEDRA	--	-	--	-	14	1	--	-
...NAVICULACEAE								
....NAVICULA	10	1	28	1	14	1	--	-
...NITZSCHIACEAE								
....NITZSCHIA	56	3	150	3	14	1	26	3

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE	OCT 3,79		OCT 31,79		MAR 4,80		MAY 5,80	
TIME	1730		0900		0900		1700	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....ANACYSTIS	--	-	--	-	690#	27	26	3
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	340#	18	69	1	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	--	-	--	-
....OSCILLATORIA	280#	15	1400#	29	--	-	--	-
....SCHIZOTHRIX	500#	27	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	14	1	--	-
....TRACHELOMONAS	--	-	*	0	--	-	--	-

DATE	JUN 18.80	JUL 9.80	AUG 7.80
TIME	1145	1420	0840
TOTAL CELLS/ML	12000	3500	5800
DIVERSITY: DIVISION	1.5	0.9	1.2
.CLASS	1.5	0.9	1.2
..ORDER	1.5	1.6	1.4
...FAMILY	1.9	1.7	1.4
....GENUS	2.3	1.9	1.7

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHARACIACEAE						
....SCHROEDERIA	--	-	--	-	--	-
...COELASTRACEAE						
....COELASTRUM	350	3	--	-	--	-
...HYDRODICTYACEAE						
....PEDIASTRUM	88	1	--	-	--	-
...MICRACTINIACEAE						
....MICRACTINIUM	88	1	--	-	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	--	-	*	0	--	-
....CHLORELLA	--	-	--	-	--	-
....DICTYOSPHAERIUM	1700	14	43	1	--	-
....KIRCHNERIELLA	*	0	--	-	--	-
....OOCYSTIS	130	1	--	-	--	-
....SELENASTRUM	--	-	--	-	*	0
....TETRAEDRON	--	-	--	-	--	-
....TREUBARIA	--	-	--	-	*	0
....WESTELLA	--	-	--	-	--	-
...SCENEDESMACEAE						
....ACTINASTRUM	--	-	--	-	210	4
....CRUCIGENIA	--	-	140	4	*	0
....SCENEDESMUS	660	5	72	2	360	6
....TETRASTRUM	180	1	110	3	--	-
..ULOTRICHALES						
...ULOTRICHACEAE						
....ULOTHRIX	--	-	--	-	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	--	-	--	-	*	0
...POLYBLEPHARIDACEAE						
....PYRAMIMONAS	--	-	--	-	--	-
..ZYGNEMATALES						
...DESMIDIACEAE						
....CLOSTERIUM	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	JUN 18,80 1145		JUL 9,80 1420		AUG 7,80 0840	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...CHAETOCERACEAE						
....CHAETOCEROS						
...COSCINODISCACEAE	--	-	--	-	--	-
....CYCLOTELLA	--	-	--	-	--	-
....MELOSIRA	260	2	86	2	300	5
....SKELETONEMA	970	8	230	6	840	14
....STEPHANODISCUS	--	-	--	-	--	-
..PENNALES	1300	10	*	0	--	-
...DIATOMACEAE						
....DIATOMA						
...FRAGILARIACEAE	--	-	--	-	--	-
....ASTERIONELLA						
....FRAGILARIA	--	-	--	-	--	-
....SYNEDRA	--	-	--	-	--	-
...NAVICULACEAE	--	-	--	-	--	-
....NAVICULA						
...NITZSCHIACEAE	--	-	--	-	--	-
....NITZSCHIA						
	*	0	--	-	90	2
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....ANACYSTIS						
..HORMOGONALES	--	-	750#	21	*	0
...NOSTOCACEAE						
....ANABAENA						
...OSCILLATORIACEAE	--	-	--	-	--	-
....LYNGBYA						
....OSCILLATORIA	6600#	53	--	-	--	-
....SCHIZOTHRIX	--	-	2100#	59	3900#	67
	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA						
....TRACHELOMONAS	--	-	--	-	--	-
	*	0	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)

LOCATION.--Lat 29°16'33", long 89°21'10", T.21 S., R.31 E., Plaquemines Parish, Hydrologic Unit 08090100, in center of river at Venice and at mile 10.7.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT											
04...	1100	362	7.4	24.0	15	65	<1.0	7.1	21	.7	5500
30...	1220	394	7.1	20.5	10	8	<1.0	8.8	15	.4	K1800
DEC											
11...	1245	373	6.9	16.0	20	35	<1.0	9.6	22	3.0	1100
JAN											
09...	1145	351	7.5	8.0	20	55	<1.0	8.4	27	1.0	7600
FEB											
06...	1340	380	7.2	6.5	50	35	<1.0	11.3	16	2.1	47
MAR											
03...	1400	414	7.4	9.0	5	25	<1.0	11.0	20	--	220
APR											
17...	1200	312	7.5	15.5	5	75	<1.0	8.3	25	1.5	1600
MAY											
06...	1045	332	7.1	17.5	5	50	<1.0	7.6	35	--	1100
JUN											
17...	1145	458	7.4	27.5	5	20	<1.0	7.5	30	2.2	4300
JUL											
10...	1200	540	7.4	30.0	5	25	<1.0	5.6	14	--	--
AUG											
07...	1200	690	7.2	30.0	5	20	<1.0	6.1	15	1.1	4400
SEP											
09...	1200	499	7.1	30.0	10	15	<1.0	6.0	32	4.9	1800

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT										
04...	--	140	33	37	11	127	0	104	51	21
30...	600	150	45	40	11	122	0	100	54	18
DEC										
11...	500	120	40	33	9.7	100	0	82	47	27
JAN										
09...	1600	130	46	37	10	107	0	88	51	21
FEB										
06...	580	140	34	39	11	132	0	108	50	20
MAR										
03...	560	140	29	38	11	135	0	111	48	29
APR										
17...	800	120	39	32	8.7	94	0	77	38	17
MAY										
06...	1000	120	38	34	9.7	106	0	87	43	17
JUN										
17...	380	150	56	42	12	120	0	98	62	30
JUL										
10...	600	160	56	43	13	128	0	105	56	41
AUG										
07...	260	170	69	42	16	124	0	102	68	110
SEP										
09...	K900	170	63	44	15	133	0	109	84	39

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)
OCT										
04...	7	6	1	.0	.0	.0	3	3	0	1
30...	5	5	0	.0	.0	.0	3	--	4	0
DEC										
11...	11	11	0	.0	.0	.0	8	8	0	0
JAN										
09...	15	11	4	.0	.0	.0	6	1	5	0
FEB										
06...	4	3	1	.3	.1	.2	5	2	3	0
MAR										
03...	3	3	0	.1	.1	.0	2	0	2	0
APR										
17...	10	9	1	.0	.0	.0	11	10	1	0
MAY										
06...	7	7	0	.1	.1	.0	9	4	5	0
JUN										
17...	2	2	0	.0	.0	.0	3	1	2	1
JUL										
10...	16	13	3	.0	.0	.0	7	4	3	1
AUG										
07...	8	7	1	.1	.1	.0	5	2	3	0
SEP										
09...	6	4	2	.0	.0	.0	18	3	15	0

DATE	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)
OCT										
04...	0	1	1.0	20	20	4	--	.00	3	160
30...	0	0	1.0	10	1	9	6.0	.00	4	0
DEC										
11...	0	0	1.0	40	40	<3	9.0	.00	0	0
JAN										
09...	--	1	1.0	50	10	40	7.8	.00	2	0
FEB										
06...	0	0	1.0	30	20	7	5.6	.00	3	0
MAR										
03...	0	0	1.0	20	10	6	4.9	.00	3	0
APR										
17...	0	0	1.0	60	60	4	7.9	.00	2	9
MAY										
06...	0	0	.0	30	30	5	6.1	.00	4	0
JUN										
17...	1	0	.0	30	30	<3	7.1	.00	5	0
JUL										
10...	0	1	1.0	30	20	7	6.2	.00	3	0
AUG										
07...	0	0	5.0	30	20	10	3.8	.00	0	0
SEP										
09...	0	0	2.0	30	20	8	6.6	.01	3	0

< Actual value is known to be less than the value shown.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)
OCT 04...	182	1.2	.02	1.2	.95	.280	.86	3	1	2	0
30...	18	.90	.01	.91	.51	.120	.37	2	1	1	0
DEC 11...	142	1.2	.04	1.2	1.6	.170	.52	2	1	1	0
JAN 09...	160	1.2	.06	1.3	.96	.230	.71	2	1	1	0
FEB 06...	62	1.3	.06	1.4	.69	.130	.40	2	1	1	0
MAR 03...	43	1.2	.04	1.2	1.3	.200	.61	2	1	1	0
APR 17...	356	1.3	.01	1.3	1.0	.340	1.0	4	3	1	0
MAY 06...	130	1.4	.01	1.4	.56	.200	.61	2	1	1	0
JUN 17...	43	1.2	.01	1.2	1.3	.090	.28	2	1	1	0
JUL 10...	31	2.1	.00	2.1	.66	.190	.58	2	0	2	0
AUG 07...	38	1.7	.02	1.7	1.1	.240	.74	3	1	2	0
SEP 09...	--	.99	.01	1.0	1.2	.230	.71	3	1	2	0

DATE	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)
OCT 04...	<1	0	--	<1	0	0	11	7	4	10
30...	<1	3	2	1	0	0	7	4	3	10
DEC 11...	<1	0	--	<1	0	0	12	12	0	20
JAN 09...	<1	1	--	2	0	0	0	0	0	80
FEB 06...	<1	1	0	1	10	0	0	0	0	20
MAR 03...	<1	1	0	1	0	0	8	0	8	10
APR 17...	<1	1	0	1	10	0	17	8	9	40
MAY 06...	<1	1	0	1	10	0	6	3	3	20
JUN 17...	<3	0	--	1	0	0	8	2	6	10
JUL 10...	<1	1	--	4	10	0	23	18	5	10
AUG 07...	<1	1	0	1	20	0	13	4	9	10
SEP 09...	<1	1	0	1	0	0	13	3	10	10

< Actual value is known to be less than the value shown.

290053089095700 SOUTH PASS (MILE 13.0 BHP) OF MISSISSIPPI RIVER NEAR PORT EADS, LA (CE 01850)

LOCATION.--Lat 29°00'53", long 89°09'57", Plaquemines Parish, Hydrologic Unit 08090100, 14.5 mi (23.3 km) east of Burrwood, 2.0 mi (3.2 km) southeast of Port Eads.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 26...	1010	1520	8.0	10	10	<1.0	9.1	25	1.5	--	1200	240
NOV 20...	1000	604	7.7	20	4	<1.0	9.5	13	1.1	K3200	460	180
DEC 07...	1010	404	7.6	15	50	<1.0	9.5	18	1.3	5500	2100	140
JAN 22...	0945	383	7.6	20	40	<1.0	10.6	18	--	K2400	K24	150
FEB 28...	0930	699	7.6	10	25	<1.0	12.8	19	3.9	K2600	K270	190
MAR 25...	0955	349	7.5	5	80	<1.0	10.2	15	2.0	5400	640	140
APR 30...	0920	326	7.5	5	50	<1.0	8.1	14	--	2000	380	120
MAY 20...	1015	560	7.7	5	15	<1.0	7.6	11	.7	K1800	K260	170
JUN 24...	1030	434	7.1	10	85	<1.0	6.4	32	.7	K3400	760	150
JUL 16...	1020	451	7.6	15	45	<1.0	5.9	18	--	K1900	K410	160
AUG 20...	1013	3220	8.1	15	3	<1.0	6.5	20	--	140	K24	460
SEP 03...	1000	1340	7.1	5	8	<1.0	6.4	13	.3	740	150	250

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 26...	130	43	31	200	78	5.7	13	127	0	104	100	350
NOV 20...	71	44	18	66	55	2.1	5.5	138	0	113	69	95
DEC 07...	39	36	11	28	30	1.0	4.2	118	0	97	43	34
JAN 22...	50	42	11	18	20	.6	3.3	122	0	100	58	20
FEB 28...	81	42	21	100	52	3.1	6.2	135	0	111	68	180
MAR 25...	54	35	12	36	36	1.3	3.4	101	0	83	57	52
APR 30...	39	33	9.4	16	22	.6	2.7	100	0	82	42	19
MAY 20...	72	41	17	74	47	2.5	5.1	122	0	100	64	120
JUN 24...	56	40	13	27	27	.9	4.0	120	0	98	69	29
JUL 16...	55	43	12	30	28	1.0	4.0	130	0	107	54	39
AUG 20...	340	62	73	540	71	11	27	138	0	113	190	970
SEP 03...	140	53	28	160	57	4.4	12	129	0	106	120	270

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

290053089095700 SOUTH PASS (MILE 13.0 BHP) OF MISSISSIPPI RIVER NEAR PORT EADS, LA (CE 01850)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
OCT 26...	0	.84	.01	.85	1.1	.190	2	1	1	0	--	<1
NOV 20...	20	.84	.01	.85	.80	.180	1	0	1	0	--	<1
DEC 07...	82	1.2	.04	1.2	.84	.100	2	1	1	0	--	<1
JAN 22...	33	1.5	.04	1.5	.66	.210	2	1	1	0	--	<1
FEB 28...	37	1.1	.02	1.1	.61	.200	2	1	1	0	--	<1
MAR 25...	100	1.2	.06	1.3	.84	.220	2	1	1	0	--	<1
APR 30...	67	1.4	.03	1.4	.60	.160	2	2	0	0	--	<1
MAY 20...	9	1.2	.01	1.2	1.1	.140	1	0	1	0	--	<1
JUN 24...	105	1.9	.01	1.9	.90	.110	3	2	1	0	--	<1
JUL 16...	27	2.3	.01	2.3	1.2	.220	3	1	2	0	--	<1
AUG 20...	36	.75	.10	.85	2.1	.160	2	0	2	0	0	0
SEP 03...	24	.98	.02	1.0	1.0	.220	2	0	2	0	--	<1

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 26...	0	--	<1	0	0	3	3	0	10	3	3	0
NOV 20...	0	--	<1	0	0	0	--	4	10	3	3	0
DEC 07...	0	--	<1	0	0	6	1	5	30	8	7	1
JAN 22...	0	--	<1	0	0	8	8	0	30	5	3	2
FEB 28...	0	--	<1	0	0	4	4	0	10	4	4	0
MAR 25...	1	0	1	0	0	9	5	4	30	9	9	0
APR 30...	0	--	<1	0	0	7	2	5	20	6	5	1
MAY 20...	0	0	0	0	0	6	3	3	30	5	5	0
JUN 24...	0	--	<1	10	0	20	14	6	10	7	7	0
JUL 16...	0	--	<1	10	0	9	5	4	10	17	17	0
AUG 20...	0	--	1	0	0	5	2	3	20	2	2	0
SEP 03...	1	0	1	10	0	14	12	2	10	6	6	0

< Actual value is known to be less than the value shown.

290053089095700 SOUTH PASS (MILE 13.0 BHP) OF MISSISSIPPI RIVER NEAR PORT EADS, LA (CE 01850)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
OCT 26...	.0	.0	.0	3	0	3	0	0	0	--	60	60
NOV 20...	.0	.0	.0	5	2	3	0	0	0	1.0	0	--
DEC 07...	.0	.0	.0	7	7	0	0	0	0	1.0	20	10
JAN 22...	.0	.0	.0	8	6	2	0	0	0	.0	20	20
FEB 28...	.0	--	.3	2	2	0	0	0	0	--	20	20
MAR 25...	.0	--	.1	8	5	3	0	0	0	1.0	30	30
APR 30...	.1	.1	.0	6	2	4	0	0	0	1.0	20	20
MAY 20...	.1	.1	.0	11	7	4	1	1	0	--	20	10
JUN 24...	.0	.0	.0	10	6	4	1	1	0	2.0	50	50
JUL 16...	.1	.1	.0	7	5	2	1	0	1	2.0	40	30
AUG 20...	.1	.1	.0	6	4	2	1	0	1	--	30	30
SEP 03...	.0	.0	.0	9	6	3	1	0	1	--	100	100

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 26...	<3	--	.00	12	0	.0	.00	.000	.0	.000	.000	.000
NOV 20...	<3	9.4	.00	2	0	.0	.00	.000	.0	.000	.000	.000
DEC 07...	7	8.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JAN 22...	5	5.1	.00	2	1	.0	.00	.000	.0	.000	.000	.000
FEB 28...	5	4.2	.00	1	0	.0	.00	.000	.0	.000	.000	.000
MAR 25...	<3	6.5	.00	3	0	.0	.00	.000	.0	.000	000	.000
APR 30...	<3	5.4	.00	0	0	.0	.00	.000	.0	.000	.000	.003
MAY 20...	10	4.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN 24...	4	27	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JUL 16...	7	7.9	.00	2	0	.0	.00	.000	.0	.004	.000	.006
AUG 20...	0	3.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000
SEP 03...	<3	11	.00	4	1	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

290053089095700 SOUTH PASS (MILE 13.0 BHP) OF MISSISSIPPI RIVER NEAR PORT EADS, LA (CP 01850)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
26...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
20...	.03	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
07...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
22...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
28...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
25...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
30...	.10	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
20...	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
24...	.01	.007	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
16...	.11	.005	.000	.000	.00	.002	.000	.000	.00	.00	.00
AUG											
20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
03...	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
26...	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.21	.000
NOV											
20...	.00	.00	.00	.00	.0	.00	.04	.01	.00	4.37	.000
DEC											
07...	.00	.00	.00	.00	.0	.00	.02	.00	.00	3.80	.000
JAN											
22...	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.26	.000
FEB											
28...	.00	.00	.00	.00	.0	.00	.05	.00	.00	2.56	.000
MAR											
25...	.00	.00	.00	.00	.0	.00	.04	.00	.00	.000	.000
APR											
30...	.00	.00	.00	.00	.0	.00	.04	.00	.00	1.91	.000
MAY											
20...	.00	.00	.00	.00	.0	.00	.01	.00	.00	5.70	.000
JUN											
24...	.00	.00	.00	.00	.0	.00	.03	.01	.00	1.22	.000
JUL											
16...	.00	.00	.00	.00	.0	.00	.00	.01	.00	.000	.000
AUG											
20...	.00	.00	.00	.00	.0	.00	.01	.02	.00	3.23	.210
SEP											
03...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.45	.000

285442089253000 SOUTHWEST PASS (MILE 20.2 BHP) OF MISSISSIPPI RIVER NEAR BURRWOOD, LA (CE 01670)

LOCATION.--Lat 28°54'42", long 89°25'30", Plaquemines Parish, Hydrologic Unit 08090100, 25 mi (40 km) south of Venice, 5.0 mi (8.0 km) southwest of Burrwood.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
26...	1015	2640	8.0	15	7	<1.0	8.8	39	1.0	--	1000	360
NOV												
20...	1015	442	7.7	20	20	<1.0	9.0	18	.3	K3200	600	160
DEC												
07...	1015	32000	7.9	5	10	<1.0	9.7	--	3.4	K5	--	3800
JAN												
22...	0950	385	7.6	20	35	<1.0	10.5	16	--	K2400	K36	150
FEB												
28...	0945	560	7.6	10	25	<1.0	12.9	17	3.6	K1800	220	160
MAR												
25...	1005	348	7.4	10	80	<1.0	9.7	17	1.6	6400	700	130
APR												
30...	0925	324	7.5	5	9	<1.0	8.0	14	--	2400	400	120
MAY												
20...	1032	447	7.7	5	15	<1.0	7.8	13	.6	420	K280	150
JUN												
24...	1035	420	7.2	10	85	<1.0	6.2	25	.3	K3000	680	160
JUL												
16...	1030	452	7.6	20	45	<1.0	5.7	15	.2	K1600	640	160
AUG												
20...	1026	9100	8.1	5	3	<1.0	6.7	46	--	80	46	1100
SEP												
03...	1010	4400	7.1	5	5	<1.0	6.8	13	--	680	40	560

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
26...	250	53	55	420	70	9.7	21	128	0	105	160	710
NOV												
20...	50	41	15	26	25	.9	4.6	139	0	114	66	28
DEC												
07...	3700	170	830	6800	95	48	230	136	0	112	1600	12000
JAN												
22...	49	40	12	19	21	.7	2.7	122	0	100	51	31
FEB												
28...	50	40	15	53	41	1.8	4.2	136	0	112	38	90
MAR												
25...	42	34	9.9	23	28	.9	2.8	102	0	84	51	25
APR												
30...	40	33	10	23	28	.9	2.9	102	0	84	45	31
MAY												
20...	53	40	13	41	36	1.4	3.5	123	0	101	42	81
JUN												
24...	65	39	14	42	36	1.5	4.8	110	0	90	66	60
JUL												
16...	56	43	13	27	26	.9	4.6	129	0	106	59	33
AUG												
20...	950	98	200	1600	75	21	77	140	0	115	440	3000
SEP												
03...	450	70	93	750	73	14	30	129	0	106	260	1300

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

285442089253000 SOUTHWEST PASS (MILE 20.2 BHP) OF MISSISSIPPI RIVER NEAR BURRWOOD, LA (CE 01670)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
OCT												
26...	14	.82	.01	.83	.52	.210	2	1	1	0	0	0
NOV												
20...	48	.85	.00	.85	.61	.180	2	1	1	0	--	<1
DEC												
07...	24	.09	.01	.10	.79	.050	1	0	1	10	0	10
JAN												
22...	6	1.5	.04	1.5	.59	.210	2	1	1	0	--	<1
FEB												
28...	39	1.2	.02	1.2	.59	.210	1	0	1	0	--	<1
MAR												
25...	102	1.2	.05	1.2	1.0	.210	2	1	1	0	--	<1
APR												
30...	84	1.4	.03	1.4	.50	.160	2	1	1	0	--	<1
MAY												
20...	16	1.3	.01	1.3	.74	.140	1	0	1	0	--	<1
JUN												
24...	121	1.9	.01	1.9	1.5	.280	3	1	2	0	--	<1
JUL												
16...	69	2.3	.00	2.3	1.1	.240	3	1	2	0	--	<1
AUG												
20...	2	.69	.09	.78	.74	.140	1	0	1	0	0	0
SEP												
03...	42	.97	.03	1.0	.83	.210	2	0	2	0	0	0

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT												
26...	0	0	0	0	0	0	0	0	10	2	2	0
NOV												
20...	3	2	1	0	0	9	7	2	10	12	12	0
DEC												
07...	0	0	0	20	0	1	1	0	40	5	5	0
JAN												
22...	0	--	<1	0	0	7	7	0	10	5	4	1
FEB												
28...	0	--	<1	0	0	8	1	7	20	9	9	0
MAR												
25...	1	0	1	0	1	8	4	4	50	8	8	0
APR												
30...	0	--	<1	0	0	8	5	3	20	6	6	0
MAY												
20...	0	0	0	0	0	6	3	3	30	17	17	0
JUN												
24...	1	0	1	0	0	17	12	5	10	8	8	0
JUL												
16...	0	--	<1	10	0	10	6	4	30	18	18	0
AUG												
20...	0	--	1	10	0	6	4	2	30	3	3	0
SEP												
03...	0	--	2	10	0	8	6	2	30	10	10	0

< Actual value is known to be less than the value shown.

285442089253000 SOUTHWEST PASS (MILE 20.2 BHP) OF MISSISSIPPI RIVER NEAR BURRWOOD, LA (CE 01670)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
OCT 26...	.0	.0	.0	0	--	2	0	0	0	--	0	0
NOV 20...	.3	.0	.0	6	3	3	1	1	0	1.0	10	7
DEC 07...	.0	.0	.0	7	4	3	0	--	1	--	30	10
JAN 22...	.0	.0	.0	7	5	2	1	1	0	.0	10	6
FEB 28...	.0	.0	.0	7	7	0	0	0	0	.0	30	20
MAR 25...	.0	.0	.0	9	6	3	0	0	0	.0	30	30
APR 30...	.1	.1	.0	10	7	3	0	0	0	1.0	20	20
MAY 20...	.0	.0	.0	10	7	3	0	0	0	.0	30	20
JUN 24...	.0	.0	.0	12	10	2	1	1	0	1.0	60	60
JUL 16...	.1	.1	.0	8	5	3	1	0	1	2.0	60	60
AUG 20...	.1	.1	.0	4	3	1	1	0	1	--	50	30
SEP 03...	.0	.0	.0	4	0	4	1	0	1	--	50	40

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 26...	0	--	.00	2	0	.0	.00	.000	.0	.000	.000	.000
NOV 20...	<3	8.3	.00	4	0	.0	.00	.000	.0	.000	.000	.000
DEC 07...	20	17	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JAN 22...	4	5.1	.00	3	0	.0	.00	.000	.0	.000	.000	.000
FEB 28...	10	4.1	.00	3	0	.0	.00	.000	.0	.000	.000	.000
MAR 25...	<3	6.8	.00	4	0	.0	.00	.000	.0	.000	.000	.002
APR 30...	<3	5.5	.00	0	0	.0	.00	.000	.0	.000	.000	.004
MAY 20...	10	6.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN 24...	4	27	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL 16...	<3	11	.00	4	0	.0	.00	.000	.0	.000	.000	.000
AUG 20...	20	4.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000
SEP 03...	10	9.4	.00	2	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

285442089253000 SOUTHWEST PASS (MILE 20.2 BHP) OF MISSISSIPPI RIVER NEAR BURRWOOD, LA (CE 01670)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT 26...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV 20...	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC 07...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 22...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 28...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 25...	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 30...	.01	.010	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 20...	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 24...	.01	.010	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 16...	.01	.006	.000	.000	.00	.000	.000	.001	.00	.00	.00
AUG 20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 03...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 26...	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.44	.000
NOV 20...	.00	.00	.00	.00	.0	.00	.03	.01	.00	4.06	.000
DEC 07...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.78	.000
JAN 22...	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.82	.000
FEB 28...	.00	.00	.00	.00	.0	.00	.04	.00	.00	2.00	.000
MAR 25...	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.65	.000
APR 30...	.00	.00	.00	.00	.0	.00	.04	.00	.00	2.21	.000
MAY 20...	.00	.00	.00	.00	.0	.00	.01	.00	.00	5.68	.000
JUN 24...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.70	.000
JUL 16...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.000	.000
AUG 20...	.00	.00	.00	.00	.0	.00	.01	.01	.00	5.91	.000
SEP 03...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.44	.000

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)

LOCATION.--Lat 30°11'16", long 90°07'33", T.10 S., R.10 E., Jefferson Parish, Hydrologic Unit 08090202, 12.5 mi (20.1 km) north of New Orleans.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 25...	1105	3830	7.8	10	5	<1.0	8.6	22	.3	<4	<2	440
NOV 19...	1115	2590	6.5	20	5	<1.0	11.0	56	1.7	<4	<2	380
DEC 05...	1115	2330	7.2	5	4	<1.0	11.4	39	.5	<5	<5	250
JAN 21...	1050	2860	7.4	40	9	<1.0	9.5	63	1.1	780	52	310
FEB 27...	0950	5190	7.9	5	8	<1.0	10.6	40	1.2	K4	K4	550
MAR 24...	1030	4510	7.8	5	15	<1.0	9.2	42	--	K16	K2	500
APR 29...	0925	349	6.8	80	65	<1.0	8.6	35	1.0	K20	<4	40
MAY 19...	1036	166	6.9	100	75	<1.0	8.5	34	.7	<4	K10	26
JUN 23...	1030	1060	6.4	20	20	<1.0	7.5	23	.6	<4	<2	110
JUL 14...	1140	2380	7.7	15	3	<1.0	7.4	--	.8	K8	K20	240
AUG 19...	1031	3880	7.6	5	2	<1.0	8.3	100	1.0	K5	K10	410
SEP 02...	1050	4070	7.7	10	5	<1.0	7.8	26	1.1	<4	<2	430

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 25...	390	39	82	620	91	13	29	59	0	48	180	1100
NOV 19...	250	28	56	410	73	10	23	57	0	47	140	710
DEC 05...	210	23	47	370	73	10	37	49	0	40	110	640
JAN 21...	260	30	58	470	75	12	20	62	0	51	130	800
FEB 27...	500	45	110	880	76	16	34	66	0	54	230	1600
MAR 24...	450	37	98	720	74	14	32	58	0	48	200	1300
APR 29...	26	5.3	6.5	52	72	3.6	3.8	17	0	14	17	97
MAY 19...	11	4.7	3.5	20	60	1.7	2.5	19	0	16	9.8	32
JUN 23...	87	13	20	160	73	6.5	8.9	34	0	28	46	280
JUL 14...	210	22	46	370	75	10	23	40	0	33	97	680
AUG 19...	370	33	79	680	77	15	28	44	0	36	170	1200
SEP 02...	390	35	82	670	76	14	28	46	0	38	180	1200

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
OCT												
25...	5	.00	.01	.01	.52	.020	1	0	1	0	0	0
NOV												
19...	4	.02	.02	.04	.61	.030	1	1	0	0	0	0
DEC												
05...	11	.03	.02	.05	.69	.040	1	0	1	0	0	0
JAN												
21...	12	.20	.01	.21	.71	.150	1	0	1	0	0	0
FEB												
27...	13	.02	.01	.03	.71	.050	1	0	1	0	0	0
MAR												
24...	24	.02	.01	.03	--	.060	0	0	0	0	0	0
APR												
29...	190	.47	.01	.48	.62	.190	3	3	0	0	--	<1
MAY												
19...	55	.28	.03	.31	1.4	.150	2	1	1	0	--	<1
JUN												
23...	16	.03	.03	.06	1.2	.060	1	0	1	0	--	<1
JUL												
14...	9	.00	.00	.00	.92	.050	1	0	1	0	0	0
AUG												
19...	0	.00	.00	.00	1.1	.030	1	0	1	0	0	0
SEP												
02...	5	.00	.00	.00	.54	.370	1	0	1	0	0	0

DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT												
25...	0	0	0	0	0	3	3	0	10	3	3	0
NOV												
19...	0	--	1	0	0	2	1	1	0	1	1	0
DEC												
05...	0	0	0	0	0	5	1	4	10	1	--	2
JAN												
21...	1	1	0	0	0	9	9	0	0	3	1	2
FEB												
27...	0	0	0	10	0	2	2	0	20	6	6	0
MAR												
24...	1	1	0	20	1	4	2	2	20	3	3	0
APR												
29...	0	--	<1	0	0	8	6	2	70	7	6	1
MAY												
19...	0	0	0	0	0	7	3	4	190	6	6	0
JUN												
23...	1	--	<1	0	0	7	4	3	30	3	3	0
JUL												
14...	0	0	0	0	0	5	3	2	20	7	7	0
AUG												
19...	0	--	1	10	0	5	4	1	20	13	13	0
SEP												
02...	1	1	0	0	0	5	4	1	10	7	7	0

< Actual value is known to be less than the value shown.

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)
OCT 25...	.0	.0	.0	2	2	0	0	0	0	--	--	--
NOV 19...	.1	.1	.0	0	0	0	0	0	0	--	10	10
DEC 05...	.1	.1	.0	16	14	2	0	0	0	--	20	20
JAN 21...	.0	.0	.0	2	--	5	0	0	0	--	--	--
FEB 27...	.0	--	.1	2	2	0	0	0	0	--	40	30
MAR 24...	.0	.0	.0	6	4	2	0	0	0	--	20	10
APR 29...	.1	.1	.0	8	5	3	0	0	0	1.0	30	30
MAY 19...	.1	.1	.0	12	9	3	0	0	0	.0	20	10
JUN 23...	.0	.0	.0	7	4	3	0	0	0	--	20	20
JUL 14...	.1	.1	.0	6	5	1	0	0	0	--	30	30
AUG 19...	.1	.1	.0	6	4	2	0	0	0	--	30	20
SEP 02...	.1	.0	.1	5	2	3	0	0	0	--	60	50

DATE	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	10	5.2	.00	1	0	.0	.00	.000	.0	.000	.000	.000
NOV 19...	0	8.2	.00	4	0	.0	.00	.000	.0	.000	.000	.000
DEC 05...	0	5.9	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	20	6.9	.00	6	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	10	5.0	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 24...	10	7.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000
APR 29...	<3	17	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY 19...	10	13	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	<3	6.6	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JUL 14...	0	5.9	.00	1	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	10	5.8	.00	6	0	.0	.00	.000	.0	.000	.000	.000
SEP 02...	10	5.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
25...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
19...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
05...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
27...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
24...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
19...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
23...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
14...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
02...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
25...	.00	.00	.00	.00	.0	.00	.03	.01	.00	2.23	.000
NOV											
19...	.00	.00	.00	.00	.0	.00	.02	.01	.00	3.54	.000
DEC											
05...	.00	.00	.00	.00	.0	.00	.00	.00	.00	9.20	.000
JAN											
21...	.00	.00	.00	.00	.0	.00	.02	.00	.00	8.77	.000
FEB											
27...	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.96	.000
MAR											
24...	.00	.00	.00	.00	.0	.00	.03	.00	.00	65.8	.000
APR											
29...	.00	.00	.00	.00	.0	.00	.01	.00	.00	2.47	.000
MAY											
19...	.00	.00	.00	.00	.0	.00	.03	.00	.00	.900	.000
JUN											
23...	.00	.00	.00	.00	.0	.00	--	--	--	6.38	.000
JUL											
14...	.00	.00	.00	.00	.0	.00	--	--	--	4.01	.000
AUG											
19...	.00	.00	.00	.00	.0	.00	.02	.00	.00	11.5	.000
SEP											
02...	.00	.00	.00	.00	.0	.00	--	--	--	9.04	.000

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)

LOCATION.--Lat 30°10'15", long 89°45'15", T.10 S., R.14 E., Orleans Parish, Hydrologic Unit 08090202, 5.8 mi (9.3 km) south-southeast of Slidell.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1979 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 25...	1115	10100	7.6	15	5	<1.0	8.4	110	.5	K20	<2	890
NOV 19...	1135	8020	6.5	15	5	<1.0	9.6	150	.3	K20	<2	900
DEC 05...	1140	4730	6.9	5	10	<1.0	10.4	150	.0	100	K30	510
JAN 21...	1125	5440	7.6	15	6	<1.0	9.7	410	.6	K50	K32	570
FEB 27...	1020	4930	7.9	5	7	<1.0	10.4	110	1.0	K40	<2	520
MAR 24...	1105	3460	7.7	15	15	<1.0	10.2	36	--	K52	K20	400
APR 29...	0950	1280	7.2	30	60	<1.0	8.7	26	.7	K20	<5	130
MAY 19...	1059	2560	7.3	15	10	<1.0	7.9	36	.6	200	100	260
JUN 23...	1100	2140	6.4	20	15	<1.0	6.8	42	.5	K12	K2	210
JUL 14...	1223	5450	7.5	15	7	<1.0	7.5	33	1.3	<4	<2	560
AUG 19...	1108	8370	7.6	5	5	<1.0	7.1	51	.5	K65	K4	900
SEP 02...	1110	15000	7.7	10	2	<1.0	6.7	69	1.4	K8	K8	1700

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 25...	840	75	170	1800	80	26	73	62	0	51	460	3000
NOV 19...	860	65	180	1300	74	19	69	58	0	48	370	2400
DEC 05...	470	39	99	790	76	15	29	38	0	31	200	1500
JAN 21...	520	47	110	880	76	16	37	63	0	52	220	1600
FEB 27...	470	41	100	830	76	16	34	62	0	51	220	1500
MAR 24...	360	29	79	550	74	12	23	42	0	34	160	1000
APR 29...	110	12	24	210	77	8.1	8.9	22	0	18	56	350
MAY 19...	240	20	50	400	76	11	17	25	0	21	130	730
JUN 23...	180	17	40	340	76	10	18	36	0	30	90	570
JUL 14...	520	42	110	910	76	17	58	42	0	34	230	1600
AUG 19...	860	64	180	1400	76	20	64	44	0	36	350	2500
SEP 02...	1700	120	350	2700	76	28	110	62	0	51	680	5200

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
OCT 25...	5	.02	.02	.04	.71	.040	1	0	1	0	0	0
NOV 19...	14	.06	.02	.08	.61	.030	1	1	0	0	0	0
DEC 05...	18	.08	.04	.12	.98	.050	--	--	1	0	0	0
JAN 21...	0	.02	.01	.03	.26	.050	1	0	1	0	0	0
FEB 27...	11	.07	.01	.08	.37	.070	1	0	1	0	0	0
MAR 24...	17	.09	.01	.10	.70	.060	1	1	0	0	0	0
APR 29...	98	.25	.02	.27	.62	.100	2	2	0	0	--	<1
MAY 19...	7	.18	.01	.19	.72	.040	1	1	0	0	0	0
JUN 23...	21	.00	.01	.01	1.6	.060	1	0	1	--	--	10
JUL 14...	11	.00	.00	.00	.56	.080	1	0	1	10	10	0
AUG 19...	10	.00	.00	.00	1.5	.020	1	0	1	10	10	0
SEP 02...	13	.00	.00	.00	.48	.040	1	0	1	--	--	10

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 25...	0	0	0	0	0	0	0	0	20	5	5	0
NOV 19...	0	--	1	10	0	0	--	1	20	0	0	0
DEC 05...	0	--	1	0	0	10	6	4	50	3	2	1
JAN 21...	1	1	0	10	0	10	7	3	10	3	1	2
FEB 27...	0	0	0	0	0	4	4	0	30	9	9	0
MAR 24...	1	1	0	20	1	4	1	3	30	4	4	0
APR 29...	0	--	<1	0	0	7	4	3	30	6	6	0
MAY 19...	0	--	1	0	0	5	3	2	60	6	5	1
JUN 23...	0	0	0	0	0	5	2	3	20	3	3	0
JUL 14...	0	0	0	10	0	4	2	2	20	3	3	0
AUG 19...	0	--	1	10	0	4	3	1	40	0	0	0
SEP 02...	1	1	0	30	0	5	3	2	30	2	2	0

< Actual value is known to be less than the value shown.

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 25...	.0	.0	.0	1	1	0	0	0	0	110	100	10
NOV 19...	.0	.0	.0	2	--	3	0	0	0	10	10	0
DEC 05...	--	--	.0	8	6	2	--	--	0	10	10	0
JAN 21...	.0	.0	.0	2	--	6	0	0	0	10	0	10
FEB 27...	.0	.0	.0	1	1	0	0	0	0	20	20	0
MAR 24...	.0	.0	.0	4	2	2	0	0	0	--	--	30
APR 29...	.1	.1	.0	6	4	2	0	0	0	20	20	<3
MAY 19...	.0	.0	.0	6	3	3	0	0	0	60	50	10
JUN 23...	.2	.2	.0	7	5	2	0	0	0	30	30	0
JUL 14...	.1	.1	.0	4	4	0	0	0	0	30	20	10
AUG 19...	.1	.1	.0	4	2	2	0	0	0	20	10	10
SEP 02...	.0	.0	.0	4	--	5	0	0	0	30	10	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	5.6	.00	2	0	.0	.00	.000	.0	.000	.000	.000
NOV 19...	5.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000
DEC 05...	5.8	.00	5	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	5.4	.00	5	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	5.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 24...	7.2	.00	1	0	.0	.00	.000	.0	.000	.000	.000
APR 29...	9.5	.00	0	2	.0	.00	.000	.0	.000	.000	.000
MAY 19...	5.6	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	7.4	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JUL 14...	6.5	.00	1	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	5.1	.00	4	0	.0	.00	.000	.0	.000	.000	.000
SEP 02...	5.0	.00	0	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
25...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
05...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
27...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
24...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
23...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
14...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
02...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.41	.000
NOV											
19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	1.05	.000
DEC											
05...	.00	.00	.00	.00	.0	.00	.03	.00	.00	1.85	.000
JAN											
21...	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.02	.000
FEB											
27...	.00	.00	.00	.00	.0	.00	.03	.00	.00	2.58	.000
MAR											
24...	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.79	.000
APR											
29...	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.89	.000
MAY											
19...	.00	.00	.00	.00	.0	.00	.03	.00	.07	4.18	.000
JUN											
23...	.00	.00	.00	.00	.0	.00	.01	.00	.00	5.29	.000
JUL											
14...	.00	.00	.00	.00	.0	.00	.00	.00	.00	9.46	.000
AUG											
19...	.00	.00	.00	.00	.0	.00	.06	.00	.00	2.54	.000
SEP											
02...	.00	.00	.00	.00	.0	.00	.01	.00	.00	7.41	.000

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)

LOCATION.--Lat 30°05'55", long 89°49'03", in lot 37, T.11 S., R.14 E., Orleans Parish, Hydrologic Unit 08090202, 2.1 mi (3.4 km) north-northwest of Chef Menteur.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1979 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 25...	1125	10100	7.6	10	5	<1.0	8.7	110	.0	K16	K8	1100
NOV 19...	1145	9080	7.2	15	5	<1.0	9.8	180	.5	K8	<2	950
DEC 05...	1145	9460	7.6	0	0	<1.0	10.8	140	.8	K25	K15	1000
JAN 21...	1130	6220	7.8	20	8	<1.0	9.7	380	.6	K60	K12	710
FEB 27...	1025	4110	7.7	10	20	<1.0	10.4	50	.8	120	K2	440
MAR 24...	1110	5260	7.7	5	25	<1.0	10.2	48	--	K220	K12	560
APR 29...	0955	1280	7.1	50	65	<1.0	8.7	13	.3	K10	K5	130
MAY 19...	1108	3400	7.5	5	10	<1.0	8.3	42	.6	--	<4	350
JUN 23...	1110	2460	6.5	20	20	<1.0	6.5	44	.2	K72	K32	250
JUL 14...	1233	4250	7.6	20	8	<1.0	7.5	29	1.2	<4	K4	430
AUG 19...	1115	10500	7.5	5	3	<1.0	7.1	93	.6	K80	K20	1100
SEP 02...	1120	14500	7.6	10	3	<1.0	6.7	83	1.5	K72	K26	1600

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 25...	1100	82	220	1800	93	24	75	70	0	57	480	3300
NOV 19...	1000	74	200	1600	92	22	80	68	0	56	430	2800
DEC 05...	990	73	210	1700	93	23	61	66	0	54	460	3100
JAN 21...	650	53	140	1100	76	18	44	68	0	56	250	1900
FEB 27...	400	36	86	650	75	13	28	58	0	48	180	1200
MAR 24...	510	42	110	890	76	16	37	58	0	48	280	1600
APR 29...	110	12	24	220	77	8.4	9.9	22	0	18	56	370
MAY 19...	320	29	68	530	75	12	24	40	0	33	150	950
JUN 23...	220	37	38	390	76	11	18	37	0	30	110	680
JUL 14...	400	34	84	690	76	14	37	41	0	34	180	1200
AUG 19...	1100	79	230	1800	76	23	82	72	0	59	420	3400
SEP 02...	1600	110	330	2600	76	28	110	60	0	49	670	5000

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
OCT												
25...	4	.02	.02	.04	.81	.040	1	0	1	0	0	0
NOV												
19...	2	.03	.02	.05	.65	.030	1	1	0	0	0	0
DEC												
05...	7	.06	.02	.08	.71	.040	1	0	1	0	0	0
JAN												
21...	5	.01	.01	.02	.65	.050	1	0	1	0	0	0
FEB												
27...	33	.21	.02	.23	.50	.080	1	0	1	0	0	0
MAR												
24...	52	.06	.02	.08	.73	.060	1	1	0	0	0	0
APR												
29...	154	.37	.02	.39	.49	.180	2	2	0	0	--	<1
MAY												
19...	23	.17	.01	.18	.92	.050	1	0	1	0	0	0
JUN												
23...	26	.05	.02	.07	1.0	.070	1	0	1	0	0	0
JUL												
14...	14	.00	.00	.00	.60	.050	1	0	1	0	0	0
AUG												
19...	4	.00	.02	.02	.64	.020	1	0	1	--	--	10
SEP												
02...	16	.00	.00	.00	.58	.250	1	0	1	--	--	10

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT												
25...	0	0	0	0	0	5	5	0	20	4	4	0
NOV												
19...	0	--	1	10	0	0	--	2	10	0	0	0
DEC												
05...	0	--	1	0	0	3	--	4	10	0	0	0
JAN												
21...	1	1	0	0	0	11	11	0	10	4	2	2
FEB												
27...	0	0	0	10	0	6	6	0	30	8	8	0
MAR												
24...	0	0	0	0	0	4	1	3	20	4	4	0
APR												
29...	0	--	<1	0	0	8	5	3	40	7	7	0
MAY												
19...	0	0	0	0	0	7	6	1	30	6	6	0
JUN												
23...	0	0	0	0	0	9	6	3	20	2	2	0
JUL												
14...	0	0	0	10	0	6	4	2	10	26	26	0
AUG												
19...	0	--	1	10	0	5	4	1	40	0	0	0
SEP												
02...	1	1	0	40	0	8	7	1	30	2	2	0

< Actual value is known to be less than the value shown.

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 25...	.1	.1	.0	3	3	0	0	0	0	--	--	10
NOV 19...	.0	.0	.0	0	--	3	0	0	0	0	0	0
DEC 05...	.1	.1	.0	7	5	2	0	0	0	20	20	0
JAN 21...	.0	.0	.0	--	--	6	0	0	0	20	0	20
FEB 27...	--	--	.2	3	3	0	0	0	0	30	30	0
MAR 24...	.0	.0	.0	4	3	1	0	0	0	30	20	10
APR 29...	.1	.1	.0	8	5	3	0	0	0	20	20	<3
MAY 19...	.0	.0	.0	10	8	2	0	0	0	30	20	10
JUN 23...	.0	.0	.0	10	7	3	0	0	0	50	40	10
JUL 14...	.1	.1	.0	2	2	0	0	0	0	60	50	10
AUG 19...	.0	.0	.0	3	1	2	0	0	0	30	20	10
SEP 02...	.0	.0	.0	5	2	3	0	0	0	50	40	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	6.0	.00	2	0	.0	.00	.000	.0	.000	.000	.000
NOV 19...	7.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000
DEC 05...	4.2	.00	7	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	5.4	.00	6	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	5.6	.00	0	--	.0	.00	.000	.0	.000	.000	.000
MAR 24...	6.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000
APR 29...	8.9	.00	2	1	.0	.00	.000	.0	.000	.000	.000
MAY 19...	7.3	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	11	.00	2	2	.0	.00	.000	.0	.000	.000	.000
JUL 14...	7.5	.01	6	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	5.3	.00	4	0	.0	.00	.000	.0	.000	.000	.000
SEP 02...	5.6	.00	8	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
25...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
05...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
21...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
27...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
24...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
29...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
23...	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
14...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
02...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.01	.000
NOV											
19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	2.15	.000
DEC											
05...	.00	.00	.00	.00	.0	.00	.02	.00	.00	4.86	.000
JAN											
21...	.00	.00	.00	.00	.0	.00	.02	.00	.00	3.63	.000
FEB											
27...	.00	.00	.00	.00	.0	.00	.04	.00	.00	3.92	.000
MAR											
24...	.00	.00	.00	.00	.0	.00	.03	.00	.00	5.51	.000
APR											
29...	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.86	.000
MAY											
19...	.00	.00	.00	.00	.0	.00	.02	.02	.00	8.04	.000
JUN											
23...	.00	.00	.00	.00	.0	.00	.01	.00	.00	1.56	.000
JUL											
14...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.21	.000
AUG											
19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	2.74	.000
SEP											
02...	.00	.00	.00	.00	.0	.00	.00	.00	.00	8.15	.000

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)

LOCATION.--Lat 30°02'05", long 90°01'55", T.12 S., R.12 E., Orleans Parish, Hydrologic Unit 08090202, at New Orleans.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM CORALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
25...	0930	10700	7.6	15	10	<1.0	8.1	100	2.5	180	K14	1200
NOV												
19...	1030	8020	8.0	15	5	<1.0	12.0	150	.8	K330	<2	830
DEC												
05...	1000	7580	8.0	5	0	<1.0	13.2	270	3.3	580	K30	980
JAN												
21...	1000	4060	7.8	20	5	<1.0	10.4	370	1.1	7200	220	460
FEB												
27...	0900	3960	7.7	10	20	<1.0	9.8	40	.3	12000	640	430
MAR												
24...	0930	4060	7.6	10	15	<1.0	8.4	42	--	4000	100	480
APR												
29...	0830	3530	7.4	10	20	<1.0	8.1	80	.7	K240	K20	370
MAY												
19...	0930	4360	7.5	10	9	<1.0	7.5	71	.9	6500	880	450
JUN												
23...	0930	2740	7.3	15	10	<1.0	7.6	31	.6	<4	<2	280
JUL												
14...	1008	4580	8.0	15	2	<1.0	7.6	55	1.0	K4	<2	470
AUG												
19...	0912	7330	7.4	10	2	<1.0	8.0	46	1.2	1800	K12000	800
SEP												
02...	1000	7540	8.0	0	3	<1.0	8.0	12	2.0	K4	K2	810

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT												
25...	1100	90	240	1900	76	24	78	78	0	64	490	3500
NOV												
19...	770	68	160	1400	77	21	58	72	0	59	390	2500
DEC												
05...	920	63	200	1300	94	18	8.9	73	0	60	360	2400
JAN												
21...	400	37	89	650	74	13	28	77	0	63	170	1200
FEB												
27...	380	36	83	640	75	13	27	60	0	49	170	1200
MAR												
24...	430	36	94	650	74	13	27	57	0	47	220	1200
APR												
29...	330	33	70	560	75	13	25	52	0	43	150	1000
MAY												
19...	410	38	87	750	77	15	32	47	0	39	190	1300
JUN												
23...	250	23	54	420	75	11	23	37	0	30	48	790
JUL												
14...	440	37	92	760	76	15	40	43	0	35	190	1300
AUG												
19...	760	56	160	1200	75	18	54	48	0	34	320	2300
SEP												
02...	760	59	160	1300	76	20	60	51	0	42	310	2300

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

MISSISSIPPI RIVER DELTA

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
OCT												
25...	21	.02	.02	.04	.96	.060	0	--	--	0	0	0
NOV												
19...	8	.05	.00	.05	.91	.060	1	--	2	0	0	0
DEC												
05...	7	.00	.01	.01	.67	.120	1	0	1	0	0	0
JAN												
21...	0	.05	.01	.06	.47	.060	1	0	1	0	0	0
FEB												
27...	28	.20	.02	.22	--	.120	2	1	1	0	0	0
MAR												
24...	19	.10	.02	.12	.87	.080	1	1	0	0	0	0
APR												
29...	49	.39	.01	.40	.58	.110	2	1	1	10	10	0
MAY												
19...	19	.29	.01	.30	.90	.090	1	--	2	0	0	0
JUN												
23...	22	.03	.01	.04	.91	.050	1	0	1	0	0	0
JUL												
14...	90	.00	.01	.01	1.0	.040	1	0	1	0	0	0
AUG												
19...	16	.00	.00	.00	.72	.030	1	0	1	10	10	0
SEP												
02...	0	.01	.01	.02	.78	.040	1	0	1	0	0	0

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT												
25...	1	1	0	0	0	8	0	0	20	4	1	3
NOV												
19...	1	--	2	20	0	0	--	2	10	1	1	0
DEC												
05...	0	--	2	0	0	2	--	3	0	0	--	1
JAN												
21...	1	1	0	0	0	5	3	2	0	2	0	2
FEB												
27...	0	0	0	10	0	10	8	2	30	10	10	0
MAR												
24...	1	0	1	0	0	4	0	4	30	5	5	0
APR												
29...	1	1	0	0	0	5	2	3	20	5	4	1
MAY												
19...	0	0	0	0	0	4	3	1	30	5	5	0
JUN												
23...	1	1	0	0	0	7	4	3	20	4	4	0
JUL												
14...	0	0	0	10	0	8	6	2	10	9	8	1
AUG												
19...	1	0	1	10	0	4	3	1	30	6	6	0
SEP												
02...	1	0	1	10	0	4	3	1	20	4	4	0

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 25...	.1	.0	.1	3	3	0	0	0	0	--	--	20
NOV 19...	.1	.0	.1	4	--	7	0	0	0	--	--	20
DEC 05...	.0	.0	.0	6	4	2	0	0	0	10	10	0
JAN 21...	.1	.1	.0	--	--	6	0	0	0	20	0	20
FEB 27...	.0	.0	.0	2	2	0	0	0	0	60	40	20
MAR 24...	.0	.0	.0	4	2	2	0	0	0	20	0	20
APR 29...	.1	.1	.0	4	1	3	0	0	0	20	10	10
MAY 19...	.0	.0	.0	11	8	3	0	0	0	--	--	20
JUN 23...	.2	.1	.1	7	0	7	0	0	0	20	20	0
JUL 14...	.1	.1	.0	6	5	1	0	0	0	40	30	10
AUG 19...	.0	.0	.0	4	1	3	0	0	0	130	120	10
SEP 02...	.1	--	.2	7	6	1	0	0	0	40	30	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	6.0	.00	2	0	.0	.00	.000	.0	.000	.000	.000
NOV 19...	6.5	.00	0	0	.0	.00	.000	.0	.000	.000	.000
DEC 05...	6.4	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	6.6	.00	4	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	6.8	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 24...	7.1	.00	0	1	.0	.00	.000	.0	.000	.000	.000
APR 29...	8.0	.00	0	1	.0	.00	.000	.0	.000	.000	.000
MAY 19...	7.0	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	6.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL 14...	7.1	.00	7	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	6.1	.00	0	19	.0	.00	.000	.0	.000	.000	.000
SEP 02...	7.9	.01	3	0	.0	.00	.000	.0	.000	.000	.000

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)
OCT 25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV 19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC 05...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 21...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 27...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 24...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 29...	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 19...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 23...	.01	.000	.000	.000	.00	.000	.000	.000	.01	.00	.00
JUL 14...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 02...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT 25...	.00	.00	.00	.00	.0	.00	.03	.00	.00	2.83	.000
NOV 19...	.00	.00	.00	.00	.0	.00	.06	.00	.00	26.1	.000
DEC 05...	.00	.00	.00	.00	.0	.00	.06	.00	.00	52.5	4.42
JAN 21...	.00	.00	.00	.00	.0	.00	.01	.00	.00	12.2	.000
FEB 27...	.00	.00	.00	.00	.0	.00	.07	.00	.00	11.6	.000
MAR 24...	.00	.00	.00	.00	.0	.00	--	--	--	3.07	.000
APR 29...	.00	.00	.00	.00	.0	.00	.02	.00	.00	4.22	.000
MAY 19...	.00	.00	.00	.00	.0	.00	.03	.00	.00	3.70	.000
JUN 23...	.00	.00	.00	.00	.0	.00	.01	.00	.00	5.04	.000
JUL 14...	.00	.00	.00	.00	.0	.00	.01	.00	.00	14.1	.000
AUG 19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	8.02	.000
SEP 02...	.00	.00	.00	.00	.0	.00	.02	.00	.00	7.90	.000

300024089560500 INTRACOASTAL WATERWAY AT NOPSI PLANT NEAR PARIS ROAD, AT NEW ORLEANS, LA (CE 76042)

LOCATION.--Lat 30°00'24", long 89°56'05", T.12 S., R.13 E., Orleans Parish, Hydrologic Unit 08090203, at New Orleans.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
25...	1400	17100	7.7	20	3	<1.0	8.3	220	2.4	K20	<2	2100
NOV												
20...	0935	19400	7.6	15	2	<1.0	9.6	360	1.9	K52	K20	2300
DEC												
07...	0930	16400	7.7	10	3	<1.0	9.7	77	1.1	160	K15	1600
JAN												
21...	1250	6740	7.8	20	8	<1.0	10.2	150	1.6	K1600	110	770
FEB												
27...	1135	12100	7.9	10	7	<1.0	10.2	86	2.0	4200	150	1400
MAR												
24...	1200	7590	7.8	10	8	<1.0	8.4	60	--	1200	88	850
APR												
29...	1055	17500	7.8	30	5	<1.0	6.2	40	.1	440	K60	1900
MAY												
19...	1244	9310	7.4	30	8	<1.0	6.3	100	.3	4100	400	260
JUN												
23...	1245	22800	7.8	5	6	<1.0	6.8	150	.0	K12	K8	2600
JUL												
14...	1252	19300	7.8	5	1	<1.0	6.4	71	.9	K200	K12	2300
AUG												
19...	1505	24500	7.9	5	3	<1.0	7.7	91	.9	500	--	2700
SEP												
02...	1245	23400	7.9	15	2	<1.0	6.4	120	1.9	K8	K4	2800

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT												
25...	2000	130	420	3100	93	30	140	93	0	76	820	5800
NOV												
20...	2200	150	460	3800	77	35	190	97	0	80	980	6700
DEC												
07...	1600	110	330	3000	79	32	110	88	0	72	720	5300
JAN												
21...	700	60	150	1100	74	17	46	78	0	64	310	2100
FEB												
27...	1300	78	290	2200	76	25	87	88	0	72	580	4000
MAR												
24...	790	61	170	1300	75	19	57	76	0	62	390	2300
APR												
29...	1900	130	390	3300	77	33	140	85	0	70	870	6100
MAY												
19...	200	73	20	1700	91	45	70	77	0	63	420	2800
JUN												
23...	2600	150	550	4400	77	37	200	99	0	81	960	8000
JUL												
14...	2200	150	460	3600	76	33	150	80	0	66	960	6400
AUG												
19...	2600	180	540	4300	77	36	85	94	0	77	1000	8200
SEP												
02...	2700	190	570	5200	78	43	230	99	0	81	1000	9400

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

300024089560500 INTRACOASTAL WATERWAY AT NOPSI PLANT NEAR PARIS ROAD, AT NEW ORLEANS, LA (CE 76042)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
OCT 25...	0	.01	.03	.04	.68	.060	1	0	1	--	--	4
NOV 20...	8	.02	.00	.02	.84	.050	0	--	1	0	0	0
DEC 07...	4	.06	.02	.08	2.1	.030	1	0	1	0	0	0
JAN 21...	6	.12	.02	.14	.49	.100	1	0	1	0	0	0
FEB 27...	13	.14	.02	.16	.58	.080	1	0	1	0	0	0
MAR 24...	10	.16	.02	.18	.99	.070	0	0	0	0	0	0
APR 29...	30	.27	.02	.29	--	.070	1	0	1	10	10	0
MAY 19...	7	.33	.03	.36	1.9	.210	2	0	2	0	0	0
JUN 23...	32	.02	.11	.13	.91	.130	0	0	0	0	0	0
JUL 14...	11	.13	.01	.14	2.8	.060	1	0	1	10	10	0
AUG 19...	8	.06	.12	.18	.60	.080	2	0	2	--	--	20
SEP 02...	32	.01	.33	.34	.72	.090	1	--	--	0	--	--

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 25...	0	0	0	0	0	0	0	0	30	3	3	0
NOV 20...	0	--	1	10	0	0	--	2	40	2	2	0
DEC 07...	0	--	1	10	0	7	2	5	60	4	3	1
JAN 21...	1	1	0	0	0	10	10	0	180	4	2	2
FEB 27...	0	0	0	10	0	7	7	0	50	8	8	0
MAR 24...	1	1	0	0	0	4	1	3	30	4	4	0
APR 29...	0	0	0	20	0	4	2	2	30	3	2	1
MAY 19...	11	1	10	0	0	11	4	7	100	15	14	1
JUN 23...	0	0	0	20	0	5	3	2	50	2	2	0
JUL 14...	0	0	0	20	0	4	2	2	50	4	4	0
AUG 19...	0	0	0	20	0	9	7	2	60	12	12	0
SEP 02...	1	--	--	0	--	7	--	--	--	4	--	--

300024089560500 INTRACOASTAL WATERWAY AT NOPSI PLANT NEAR PARIS ROAD, AT NEW ORLEANS, LA (CE 76042)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 25...	.0	.0	.0	2	2	0	0	0	0	20	10	10
NOV 20...	.0	.0	.0	3	0	3	0	0	0	--	--	10
DEC 07...	.0	.0	.0	6	6	0	0	0	0	--	--	50
JAN 21...	.0	.0	.0	1	--	5	1	1	0	20	0	20
FEB 27...	.0	.0	.0	7	7	0	0	0	0	70	50	20
MAR 24...	.0	.0	.0	4	3	1	0	0	0	20	0	20
APR 29...	.0	.0	.0	3	--	4	0	0	0	30	10	20
MAY 19...	.1	.1	.0	9	4	5	0	0	0	340	70	270
JUN 23...	.0	.0	.0	6	1	5	0	0	0	30	30	0
JUL 14...	.1	.1	.0	2	1	1	0	0	0	30	10	20
AUG 19...	.0	.0	.0	2	--	4	0	0	0	120	100	20
SEP 02...	.0	--	--	3	--	--	0	--	--	30	--	--

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	--	.00	2	0	.0	.00	.000	.0	.000	.000	.000
NOV 20...	6.0	.00	1	0	.0	.00	.000	.0	.000	.000	.000
DEC 07...	4.5	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	6.2	.00	6	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	7.8	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 24...	7.3	.00	1	0	.0	.00	.000	.0	.000	.000	.000
APR 29...	4.3	.00	0	--	.0	.00	.000	.0	.000	.000	.000
MAY 19...	17	.01	12	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	23	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL 14...	4.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	5.3	.00	0	--	.0	.00	.000	.0	.000	.000	.000
SEP 02...	6.1	.01	0	0	.0	.00	.000	.0	.000	.000	.000

MISSISSIPPI RIVER DELTA

300024089560500 INTRACOASTAL WATERWAY AT NOPSI PLANT NEAR PARIS ROAD, AT NEW ORLEANS, LA (CE 76042)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
07...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
27...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
24...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
19...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
23...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
14...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
02...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
25...	.00	.00	.00	.00	.0	.00	--	--	--	9.67	.000
NOV											
20...	.00	.00	.00	.00	.0	.00	.01	.00	.00	13.0	.000
DEC											
07...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.0	.000
JAN											
21...	.00	.00	.00	.00	.0	.00	.02	.00	.00	12.3	.000
FEB											
27...	.00	.00	.00	.00	.0	.00	.04	.00	.00	10.4	.000
MAR											
24...	.00	.00	.00	.00	.0	.00	.08	.00	.00	4.52	.000
APR											
29...	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.78	.000
MAY											
19...	.00	.00	.00	.00	.0	.00	--	--	--	2.41	.000
JUN											
23...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.35	.000
JUL											
14...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.88	.000
AUG											
19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.51	.000
SEP											
02...	.00	.00	.00	.00	.0	.00	.01	.00	.00	20.2	.000

300404089482500 CHEF MENTEUR PASS NEAR LAKE BORGNE, AT CHEF MENTEUR, LA (CE 85750)

LOCATION.--Lat 30°04'04", long 89°48'25", T.12 S., R.14 E., Orleans Parish, Hydrologic Unit 08090203, north of U.S. Highway 190 bridge, 0.1 mi (0.2 km) southwest of Chef Menteur.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to current year.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 31.0°C Sep. 24-30, 1980; minimum daily, 3.0°C Jan. 24, 1979.
CHLORIDE: Maximum daily, 8,100 mg/L Sep. 1, 1977; minimum daily, 50 mg/L May 10, 14, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 31.0°C Sep. 24-30; minimum daily, 6.0°C Dec. 18, Feb. 18.
CHLORIDE: Maximum daily, 6,700 mg/L Sep. 6; minimum daily, 450 mg/L Apr. 29.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	21.0	9.0	9.0	13.0	7.0	---	21.0	26.0		---	30.0
2	26.0	17.0	9.0	8.0	13.0	7.0	17.0	21.0	26.0		---	30.0
3	24.0	17.0	8.0	10.0	13.0	8.0	17.0	21.0	26.0		---	30.0
4	23.0	16.0	8.0	9.0	13.0	8.0	18.0	21.0	26.0		---	30.0
5	23.0	16.0	8.0	8.0	13.0	10.0	16.0	21.0	26.0		---	30.0
6	22.0	16.0	11.0	8.0	9.0	11.0	17.0	21.0	27.0		---	30.0
7	22.0	15.0	10.0	11.0	7.0	12.0	18.0	21.0	28.0		---	30.0
8	23.0	16.0	10.0	11.0	9.0	14.0	18.0	21.0	28.0		---	30.0
9	23.0	17.0	9.0	12.0	10.0	15.0	16.0	21.0	---		---	30.0
10	21.0	17.0	9.0	12.0	7.0	16.0	17.0	21.0	26.0		---	30.0
11	19.0	16.0	12.0	12.0	7.0	17.0	19.0	21.0	25.0		---	30.0
12	21.0	15.0	12.0	12.0	7.0	17.0	20.0	---	26.0		---	30.0
13	21.0	13.0	12.0	12.0	8.0	18.0	18.0	24.0	26.0		---	30.0
14	22.0	11.0	13.0	12.0	8.0	16.0	15.0	24.0	27.0		---	30.0
15	19.0	12.0	11.0	12.0	9.0	15.0	15.0	24.0	27.0		---	30.0
16	19.0	13.0	12.0	12.0	10.0	17.0	17.0	24.0	---		---	30.0
17	20.0	14.0	9.0	14.0	7.0	15.0	18.0	24.0	26.0		---	30.0
18	20.0	14.0	6.0	14.0	6.0	15.0	18.0	24.0	27.0		---	30.0
19	---	14.0	8.0	14.0	8.0	15.0	17.0	24.0	28.0		---	30.0
20	23.0	15.0	9.0	14.0	10.0	15.0	18.0	24.0	28.0		---	30.0
21	23.0	16.0	10.0	14.0	11.0	15.0	19.0	24.0	28.0		28.0	---
22	24.0	17.0	11.0	14.0	12.0	15.0	20.0	24.0	28.0		28.0	---
23	21.0	16.0	12.0	14.0	13.0	15.0	20.0	24.0	28.0		28.0	---
24	18.0	13.0	12.0	14.0	13.0	17.0	21.0	24.0	28.0		28.0	31.0
25	18.0	14.0	11.0	14.0	12.0	15.0	22.0	26.0	---		28.0	31.0
26	18.0	13.0	10.0	14.0	9.0	16.0	22.0	26.0	---		28.0	31.0
27	18.0	14.0	11.0	14.0	11.0	16.0	20.0	26.0	---		28.0	31.0
28	19.0	14.0	11.0	14.0	11.0	17.0	19.0	26.0	---		28.0	31.0
29	20.0	11.0	11.0	14.0	13.0	17.0	19.0	26.0	---		28.0	31.0
30	21.0	9.0	11.0	14.0	---	15.0	19.0	26.0	---		28.0	31.0
31	21.0	---	10.0	14.0	---	---	---	26.0	---		28.0	---

300404089482500 CHEF MENTEUR PASS NEAR LAKE BORGNE, AT CHEF MENTEUR, LA (CE 85750)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1700	4000	2900	2000	1900	1200	---	1400	900		---	5400
2	1700	4500	2900	2200	1900	1800	1400	1600	1100		---	5400
3	2100	3600	3700	2400	1800	2300	1400	1200	850		---	5500
4	1700	3700	3800	2400	1800	1800	1300	1200	850		---	5800
5	1900	4000	3800	2500	1900	1600	1300	1200	800		---	6000
6	2600	4200	3600	2700	1700	1500	1300	950	800		---	6700
7	1900	4100	3600	2500	1700	1700	1400	750	850		---	5400
8	3100	3900	3300	2300	1800	1600	1200	700	800		---	4400
9	3500	4200	3000	2200	1700	1600	1200	1700	---		---	2700
10	3300	4000	2900	2500	1700	1700	1300	1800	1900		---	2800
11	4000	4100	3000	2000	1800	2000	1200	2200	1100		---	2800
12	3300	4000	3000	1800	1500	1800	1300	2400	800		---	5600
13	3400	3400	2900	2100	1400	1700	950	2200	850		---	5300
14	4200	2700	2500	2100	1200	2300	1000	---	1100		---	4400
15	3800	3400	2600	1800	1200	2000	900	1900	600		---	4600
16	4500	2500	2700	1900	---	2200	1200	1800	---		---	4800
17	4000	3000	2500	1700	1500	1400	1100	2500	2100		---	4800
18	3800	3500	2500	1800	1100	1300	1100	1900	1300		---	5000
19	3400	3800	2700	1800	1100	1700	1100	1700	1300		---	5500
20	3600	4100	2700	1800	1500	1800	---	1500	1400		---	5600
21	3500	4200	2600	1900	1400	1700	1000	1000	1300		3200	---
22	3800	4300	2700	1700	1300	1800	950	700	1300		3800	---
23	3700	4100	2700	1800	1300	1800	800	800	1200		3700	---
24	3800	3700	2600	1600	1400	1800	750	750	1500		3800	5600
25	3900	4100	1800	1600	1300	1700	750	850	---		5200	5500
26	3900	3000	1900	1900	1400	1800	650	750	---		6400	5900
27	3900	3000	2000	1900	1200	2000	900	650	---		5900	5600
28	4100	3000	2000	1900	1700	2300	600	800	---		5700	5500
29	4000	2700	2600	2200	1800	1800	450	750	---		5300	5500
30	3800	2500	2500	2000	---	1600	---	850	---		5300	5500
31	4000	---	2200	2000	---	---	---	950	---		4700	---

295623089501800 MISSISSIPPI RIVER GULF OUTLET AT MILE 52.8 AT BAYOU DUPRE, NEAR VIOLET, LA (CE 85764)

LOCATION.--Lat 29°56'23", long 89°50'18", T.13 S., R.14 E., St. Bernard Parish, Hydrologic Unit 08090203, 4.5 mi (7.2 km) northeast of Violet.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 25...	1345	15200	7.8	20	7	<1.0	8.9	180	1.1	K60	<2	1800
NOV 19...	1310	18900	7.8	15	4	<1.0	10.3	100	3.2	K36	<2	2200
DEC 05...	1230	14800	7.6	0	3	<1.0	11.6	170	2.3	180	K5	1700
JAN 21...	1245	8140	7.6	30	6	<1.0	9.3	220	1.1	380	K28	950
FEB 27...	1130	--	--	--	--	--	9.9	--	1.6	4400	180	--
MAR 24...	1140	8500	7.8	5	5	<1.0	9.6	110	--	230	K22	950
APR 29...	1045	17500	7.8	30	6	<1.0	6.2	210	.4	500	K70	2000
MAY 19...	1232	10300	7.6	15	10	<1.0	8.1	93	1.1	900	136	1100
JUN 23...	1240	23900	7.7	10	6	<1.0	5.9	160	.6	K16	K2	2600
JUL 14...	1550	29800	8.0	5	3	<1.0	8.2	220	2.0	<4	<2	3700
AUG 19...	1459	24500	8.0	5	4	<1.0	10.1	130	2.9	440	<100	2800
SEP 02...	1235	23300	7.9	15	4	<1.0	6.4	130	1.6	K24	K6	2700

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 25...	1800	120	370	2800	93	29	110	83	0	58	740	5200
NOV 19...	2100	150	440	3600	76	34	180	97	0	80	1100	6400
DEC 05...	1600	110	340	2500	75	27	91	86	0	71	660	4800
JAN 21...	890	67	190	1500	76	21	65	72	0	59	360	2700
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 24...	890	66	190	1500	76	21	65	71	0	58	450	2700
APR 29...	1900	130	400	3500	78	34	140	84	0	69	660	6200
MAY 19...	1100	78	220	1900	78	25	65	60	0	49	460	3200
JUN 23...	2500	160	540	4600	78	39	200	100	0	82	1000	7800
JUL 14...	3600	240	750	6200	77	44	280	103	0	84	1600	11000
AUG 19...	2700	190	560	4500	77	37	82	90	0	74	1100	8600
SEP 02...	2600	180	540	4600	77	39	230	100	0	82	930	8400

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

295623089501800 MISSISSIPPI RIVER GULF OUTLET AT MILE 52.8 AT BAYOU DUPRE, NEAR VIOLET, LA (CE 85764)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)
OCT 25...	10	.00	.01	.01	.60	.050	1	0	1	0	0	0
NOV 19...	14	.06	.00	.06	.67	.050	1	1	0	0	0	0
DEC 05...	0	.02	.06	.08	.76	.040	1	0	1	0	0	0
JAN 21...	9	.14	.02	.16	.61	.080	1	0	1	0	0	0
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 24...	11	.10	.01	.11	.76	.060	0	0	0	0	0	0
APR 29...	44	.29	.02	.31	.57	.070	1	0	1	10	10	0
MAY 19...	24	.14	.01	.15	.96	.070	1	0	1	0	0	0
JUN 23...	34	.01	.07	.08	.84	.390	0	0	0	10	10	0
JUL 14...	--	.01	.01	.02	.62	.040	1	0	1	10	0	10
AUG 19...	13	.04	.00	.04	1.8	.070	1	0	1	--	--	20
SEP 02...	15	.23	.32	.55	.60	.080	1	--	2	10	0	10

DATE	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)
OCT 25...	0	0	0	0	0	0	0	0	20	4	4	0
NOV 19...	0	--	1	10	0	1	1	0	30	3	3	0
DEC 05...	0	--	1	10	0	2	--	4	10	0	0	0
JAN 21...	0	--	1	0	0	13	13	0	20	4	2	2
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 24...	1	1	0	0	0	4	1	3	20	3	3	0
APR 29...	0	0	0	20	0	6	5	1	40	4	3	1
MAY 19...	0	0	0	10	0	5	3	2	50	8	8	0
JUN 23...	0	0	0	30	0	4	1	3	50	3	3	0
JUL 14...	1	1	0	20	0	6	4	2	90	16	14	2
AUG 19...	0	0	0	20	0	4	2	2	70	4	4	0
SEP 02...	0	--	1	30	0	6	5	1	80	7	7	0

295623089501800 MISSISSIPPI RIVER GULF OUTLET AT MILE 52.8 AT BAYOU DUPRE, NEAR VIOLET, LA (CE 85764)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 25...	.0	.0	.0	3	3	0	0	0	0	--	--	10
NOV 19...	.0	.0	.0	5	4	1	0	0	0	--	--	10
DEC 05...	.0	.0	.0	2	0	2	0	0	0	30	10	20
JAN 21...	.1	.1	.0	2	--	5	0	0	0	10	0	10
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 24...	.0	.0	.0	4	3	1	0	0	0	--	--	30
APR 29...	.0	.0	.0	5	2	3	0	0	0	40	30	10
MAY 19...	.0	.0	.0	11	8	3	0	0	0	20	10	10
JUN 23...	.0	.0	.0	7	4	3	0	0	0	20	10	10
JUL 14...	.0	.0	.0	9	5	4	0	0	0	40	10	30
AUG 19...	.0	.0	.0	1	--	2	0	0	0	70	50	20
SEP 02...	.0	--	.1	9	7	2	0	0	0	80	60	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	--	.00	2	0	.0	.00	.000	.0	.000	.000	.000
NOV 19...	6.3	.00	1	--	.0	.00	.000	.0	.000	.000	.000
DEC 05...	5.0	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	6.0	.00	1	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	--	--	--	--	.0	.00	.000	.0	.000	.000	.000
MAR 24...	7.5	.00	0	1	.0	.00	.000	.0	.000	.000	.000
APR 29...	4.4	.00	0	1	.0	.00	.000	.0	.000	.000	.000
MAY 19...	8.0	.00	9	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	--	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL 14...	6.9	.00	2	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	10	.00	4	0	.0	.00	.000	.0	.000	.000	.000
SEP 02...	7.3	.01	0	0	.0	.00	.000	.0	.000	.000	.000

295623089501800 MISSISSIPPI RIVER GULF OUTLET AT MILE 52.8 AT BAYOU DUPRE, NEAR VIOLET, LA (CE 85764)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT 25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV 19...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC 05...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 27...	.14	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 24...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 19...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 23...	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 14...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 02...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 25...	.00	.00	.00	.00	.0	.00	--	--	--	4.38	.000
NOV 19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	12.8	.000
DEC 05...	.00	.00	.00	.00	.0	.00	.01	.00	.00	11.3	.000
JAN 21...	.00	.00	.00	.00	.0	.00	.02	.00	.00	9.68	.000
FEB 27...	.00	.00	.00	.00	.0	.00	.08	.01	.01	11.6	.000
MAR 24...	.00	.00	.00	.00	.0	.00	.04	.00	.00	7.26	.000
APR 29...	.00	.00	.00	.00	.0	.00	.02	.00	.00	4.06	.000
MAY 19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.83	.000
JUN 23...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.82	.000
JUL 14...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.04	.000
AUG 19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	10.4	1.00
SEP 02...	.00	.00	.00	.00	.0	.00	.01	.00	.01	17.2	.000

295019089411500 BAYOU LALOUTRE AT ALLUVIAL CITY, AT YSCLOSKEY, LA (CE 85775)

LOCATION.--Lat 29°50'19", long 89°41'15", T.14 S., R.15 E., St. Bernard Parish, Hydrologic Unit 08090203, 0.2 mi (0.3 km) south of Yscloskey.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1979.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 20, 1977; minimum daily, 6.0°C several days during January and February 1978.
CHLORIDE: Maximum daily, 16,000 mg/L June 29, 30, July 1-4, 7-9, 12, 1977; minimum daily, 1,100 mg/L Apr. 11, 1980.

EXTREMES FOR CURRENT YEAR.--
CHLORIDE: Maximum daily, 13,000 mg/L July 8, 10, 12, Aug. 21; minimum daily, 1,100 mg/L Apr. 11.

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3500	9300	6300	6300	3700	3400	3300	---	3300	12000	7000	8900
2	3300	9400	6100	6300	3500	5100	3200	---	3300	12000	7000	8900
3	9500	9400	6100	6100	3500	3400	2400	---	3200	12000	6700	8900
4	9500	---	6100	6100	---	5100	---	---	3300	12000	6800	8900
5	9400	4700	6100	6400	---	---	1300	---	3300	12000	7000	8900
6	8700	4800	5900	6100	---	5200	1700	---	3300	12000	7000	8900
7	9500	4800	---	6200	3400	---	1300	---	5100	12000	6900	8900
8	9500	4900	---	6200	3400	---	1500	---	5000	13000	8100	8900
9	9400	4800	---	---	3400	5100	1400	---	5200	12000	8300	8800
10	8700	4800	5000	---	3500	5000	1500	---	5100	13000	5700	9000
11	8700	5000	5200	3500	2900	---	1100	---	5000	12000	8300	8900
12	9100	4800	5600	3700	2900	---	1500	---	5000	13000	8200	9900
13	9500	4800	4000	4000	3500	---	1400	3200	5000	12000	8000	11000
14	9400	4800	4800	3900	2900	---	1400	3200	4900	12000	8300	12000
15	9200	9400	5200	4000	2800	---	1200	---	4900	12000	8100	11000
16	9400	9400	---	3900	3000	---	1500	3200	4900	12000	8100	11000
17	9200	9600	4700	3900	3100	---	1300	3100	5000	---	8400	12000
18	9400	9100	5200	3600	3000	---	1200	---	5100	7000	8300	11000
19	4800	9400	5000	3700	3000	---	1400	3300	5000	7000	6900	11000
20	4900	9500	5200	3900	2700	---	1300	3200	12000	7100	12000	12000
21	4600	5000	5100	3600	2900	---	1400	3200	11000	7100	13000	12000
22	3300	4700	5300	4200	3000	---	3900	3300	12000	6800	6900	12000
23	3200	4900	4900	4000	---	---	1300	3300	12000	7000	7000	11000
24	3600	4900	5200	4000	---	---	1500	3100	12000	7200	6900	12000
25	3700	4800	6200	4000	---	---	1300	3300	12000	6900	6900	11000
26	8800	6000	6100	3500	---	---	1400	3200	12000	7000	6900	7700
27	9400	5900	6300	3300	---	3000	1300	3400	12000	7000	7000	8100
28	8900	6000	5800	3700	---	3000	---	3300	---	7200	8800	7800
29	9300	6000	6400	3700	---	3400	---	3300	---	7000	9800	7700
30	9300	6000	6300	3500	---	3100	---	3300	---	7000	9000	7800
31	9500	---	---	3400	---	3300	---	3200	---	7000	9000	---

294045089235100 MISSISSIPPI RIVER GULF OUTLET AT MILE 20.0 NEAR GARDNER ISLAND, NEAR HOPEDALE, LA (CE 85852)

LOCATION.--Lat 20°40'45", long 89°23'51", T.16 S., R.18 E., St. Bernard Parish, Hydrologic Unit 08090203, 18.1 mi (29.1 km) southeast of Hopedale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 25...	1130	27100	7.9	20	7	<1.0	9.0	350	1.1	K16	K4	3500
NOV 19...	1300	29200	7.9	10	5	<1.0	10.3	720	1.0	K16	<2	3200
DEC 05...	1210	26500	7.8	0	2	<1.0	11.4	450	.5	<5	<5	3100
JAN 21...	1235	9920	7.6	20	6	<1.0	8.3	100	.8	K150	K32	1100
FEB 27...	1044	21700	8.0	5	6	<1.0	10.8	230	2.2	K36	K2	2600
MAR 24...	1130	17600	8.0	5	3	<1.0	9.8	150	--	K20	K2	2100
APR 29...	1020	27200	7.8	80	2	<1.0	7.9	390	4.2	K10	<5	3300
MAY 19...	1209	32800	8.1	0	5	<1.0	6.4	280	.5	K240	K60	4100
JUN 23...	1230	28600	8.2	5	6	<1.0	7.0	210	1.1	<4	<2	3400
JUL 14...	1540	37500	8.2	5	4	<1.0	7.7	200	1.6	<4	<2	4700
AUG 19...	1440	37400	8.2	5	5	<1.0	10.8	180	1.7	<5	K12	4600
SEP 02...	1215	37500	8.1	5	5	<1.0	6.9	460	1.3	<4	K2	4500

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 25...	3400	190	730	5200	94	38	230	106	0	87	1400	9900
NOV 19...	3100	220	640	5500	77	42	310	103	0	84	1500	10000
DEC 05...	3000	150	660	5500	79	43	65	89	0	73	1300	9600
JAN 21...	1000	78	220	1700	76	22	72	75	0	62	430	3200
FEB 27...	2500	150	530	4100	76	35	170	86	0	71	790	7800
MAR 24...	2000	130	420	3300	77	32	120	86	0	71	1000	6000
APR 29...	3200	230	670	5600	77	42	230	107	0	88	1300	10000
MAY 19...	4000	260	840	7200	79	49	130	136	0	112	1600	12000
JUN 23...	3300	210	700	5600	77	42	250	111	0	91	700	11000
JUL 14...	4600	300	950	7900	77	50	290	125	0	103	2000	14000
AUG 19...	4400	290	930	7900	79	51	58	127	0	104	1700	14000
SEP 02...	4400	290	920	7800	78	51	310	130	0	107	1400	15000

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

29404508923S100 MISSISSIPPI RIVER GULF OUTLET AT MILE 20.0 NEAR GARDNER ISLAND, NEAR HOPEDALE, LA (CE 85852)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
OCT 25...	9	.00	.02	.02	.49	.040	0	0	1	4	0	4
NOV 19...	46	.08	.00	.08	.78	.030	1	1	0	--	--	10
DEC 05...	19	.02	.00	.02	.64	.010	1	0	1	0	0	0
JAN 21...	8	.15	.01	.16	.77	.070	1	0	1	0	0	0
FEB 27...	13	.07	.01	.08	1.1	.030	0	0	0	10	0	10
MAR 24...	13	.04	.01	.05	.60	.040	0	0	0	0	0	0
APR 29...	45	.02	.02	.04	.81	.080	2	0	2	--	--	10
MAY 19...	21	.21	.01	.22	1.8	.060	1	0	1	0	0	0
JUN 23...	34	.00	.01	.01	.82	.080	0	0	0	10	10	0
JUL 14...	126	.02	.00	.02	.59	.070	1	0	1	10	0	10
AUG 19...	25	.00	.00	.00	.49	.040	2	0	2	10	0	10
SEP 02...	50	.03	.00	.03	.58	.060	1	--	2	--	--	20

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 25...	0	0	0	0	0	0	0	0	70	3	3	0
NOV 19...	0	--	1	20	0	0	0	0	50	2	2	0
DEC 05...	0	--	1	10	0	0	--	2	40	0	--	2
JAN 21...	1	1	0	10	0	8	8	0	50	2	0	2
FEB 27...	0	0	0	20	0	5	5	0	70	7	7	0
MAR 24...	1	1	0	20	1	4	2	2	40	4	4	0
APR 29...	0	0	0	--	0	2	0	2	70	3	3	0
MAY 19...	0	--	1	20	0	4	3	1	50	5	5	0
JUN 23...	1	1	0	20	0	6	4	2	60	3	3	0
JUL 14...	0	0	0	20	0	5	3	2	120	6	5	1
AUG 19...	0	0	0	20	0	4	3	1	130	3	3	0
SEP 02...	0	--	1	50	0	4	3	1	130	5	5	0

294045089235100 MISSISSIPPI RIVER GULF OUTLET AT MILE 20.0 NEAR GARDNER ISLAND, NEAR HOPEDALE, LA (CE 85852)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 25...	.0	.0	.0	3	2	1	0	0	0	--	--	20
NOV 19...	.0	.0	.0	3	3	0	0	0	0	--	--	10
DEC 05...	.0	.0	.0	1	--	2	0	0	0	50	30	20
JAN 21...	.0	.0	.0	3	--	5	0	0	0	20	10	10
FEB 27...	.0	.0	.0	6	6	0	0	0	0	40	30	10
MAR 24...	.0	.0	.0	4	3	1	0	0	0	40	0	40
APR 29...	.2	.2	.0	6	6	0	0	0	0	20	0	20
MAY 19...	.0	.0	.0	5	3	2	0	0	0	20	0	20
JUN 23...	.0	.0	.0	7	4	3	0	0	0	30	20	10
JUL 14...	.1	.1	.0	6	6	0	0	0	0	40	10	30
AUG 19...	.0	.0	.0	4	1	3	0	0	0	40	10	30
SEP 02...	.0	--	.1	7	5	2	0	0	0	60	30	30

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	5.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000
NOV 19...	5.1	.00	0	0	.0	.00	.000	.0	.000	.000	.000
DEC 05...	3.2	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	6.3	.00	4	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	4.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 24...	6.3	.00	0	1	.0	.00	.000	.0	.000	.000	.000
APR 29...	6.0	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY 19...	3.7	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	--	.00	0	1	.0	.00	.000	.0	.000	.000	.000
JUL 14...	4.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	4.3	.00	0	0	.0	.00	.000	.0	.000	.000	.000
SEP 02...	4.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000

294045089235100 MISSISSIPPI RIVER GULF OUTLET AT MILE 20.0 NEAR GARDNER ISLAND, NEAR HOPEDALE, LA (CE 85852)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT 25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV 19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC 05...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 27...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 24...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 23...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 14...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 02...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.15	.000
NOV 19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.82	.000
DEC 05...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.02	.000
JAN 21...	.00	.00	.00	.00	.0	.00	--	--	--	3.63	.000
FEB 27...	.00	.00	.00	.00	.0	.00	.01	.00	.00	3.84	.000
MAR 24...	.00	.00	.00	.00	.0	.00	.01	.00	.00	13.5	.000
APR 29...	.00	.00	.00	.00	.0	.00	.00	.00	.00	40.0	.000
MAY 19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.84	.000
JUN 23...	.00	.00	.00	.00	.0	.00	.00	.00	.00	8.30	.000
JUL 14...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.05	.000
AUG 19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.70	.000
SEP 02...	.00	.00	.00	.00	.0	.00	.00	.00	.00	8.08	.000

293810089392000 BLACK BAY NEAR MOUTH OF RIVER AUX CHENES, NEAR BOHEMIA, LA (CE 86070)

LOCATION.--Lat 29°38'10", long 89°39'20", in NE¼ sec.26, T.16 S., R.15 E., Plaquemines Parish, Hydrologic Unit 08090203, 8.7 mi (14.0 km) northeast of Bohemia.

DRAIANGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 26...	0930	--	--	--	--	--	9.0	--	2.2	120	--	--
NOV 20...	0950	17000	7.8	20	5	<1.0	9.6	360	1.4	<4	K12	1900
DEC 07...	0945	19200	7.9	10	1	<1.0	10.4	410	1.5	K25	K20	2200
JAN 22...	0930	16000	7.8	30	3	<1.0	8.8	220	--	K10	<2	1700
FEB 28...	0900	12100	8.1	20	4	<1.0	11.2	73	2.9	K500	<2	1300
MAR 25...	0930	3580	7.7	5	60	<1.0	8.3	38	1.2	260	K2	450
APR 30...	0845	5750	7.5	20	5	<1.0	7.9	150	--	<4	<4	610
MAY 20...	0945	5870	7.6	20	6	<1.0	7.2	71	.4	K56	K8	570
JUN 24...	1010	11100	7.7	20	8	<1.0	7.2	88	1.4	K20	K2	1200
JUL 16...	0940	16600	7.5	30	6	<1.0	7.0	720	1.2	<5	<5	1800
AUG 20...	0926	23600	7.6	20	4	<1.0	6.5	160	1.2	<4	<2	2700
SEP 03...	0925	32200	7.0	5	7	<1.0	6.9	46	2.2	K220	<2	3600

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 26...	--	--	--	--	--	--	--	--	--	--	--	--
NOV 20...	1800	130	380	3200	77	32	150	127	0	104	750	5800
DEC 07...	2100	120	460	3500	94	33	130	108	0	89	380	6600
JAN 22...	1700	120	350	2900	77	30	110	99	0	81	92	5500
FEB 28...	1300	93	270	2300	78	27	78	106	0	87	520	4000
MAR 25...	370	45	81	570	72	12	24	92	0	75	200	1000
APR 30...	560	46	120	1000	77	18	45	72	0	59	240	1800
MAY 20...	510	49	110	1000	79	18	43	68	0	56	250	1800
JUN 24...	1100	85	240	1900	76	24	85	97	0	80	480	3500
JUL 16...	1700	120	360	3000	77	31	110	104	0	85	720	5500
AUG 20...	2600	180	550	4600	77	38	230	108	0	89	940	8700
SEP 03...	3500	240	720	6300	78	46	250	108	0	89	380	12000

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

MISSISSIPPI RIVER DELTA

293810089392000 BLACK BAY NEAR MOUTH OF RIVER AUX CHENES, NEAR BOHEMIA, LA (CE 86070)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
OCT 26...	--	--	--	--	--	--	--	--	--	--	--	--
NOV 20...	4	.02	.00	.02	1.4	.080	0	--	1	0	0	0
DEC 07...	0	.00	.01	.01	1.1	.030	1	0	1	0	0	0
JAN 22...	15	.08	.02	.10	.47	.070	0	0	0	0	0	0
FEB 28...	8	.02	.01	.03	.74	.060	0	0	0	0	0	0
MAR 25...	13	.74	.04	.78	1.1	.160	2	2	0	0	0	0
APR 30...	20	.00	.01	.01	.64	.050	1	1	0	10	10	0
MAY 20...	16	.07	.01	.08	.81	.070	1	1	0	0	0	0
JUN 24...	12	.00	.01	.01	.99	.240	1	0	1	0	0	0
JUL 16...	92	.00	.00	.00	1.9	.180	2	0	2	10	10	0
AUG 20...	23	.00	.00	.00	1.1	.130	2	1	1	--	--	10
SEP 03...	64	.00	.01	.01	1.2	.260	1	0	1	10	0	10

DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 26...	--	--	--	--	--	--	--	--	--	--	--	--
NOV 20...	0	--	1	10	0	2	--	6	30	2	1	1
DEC 07...	0	0	0	10	0	0	--	3	40	5	5	0
JAN 22...	0	--	1	10	0	8	8	0	60	4	4	0
FEB 28...	0	0	0	0	0	8	8	0	30	9	9	0
MAR 25...	1	1	0	0	1	7	3	4	20	7	7	0
APR 30...	1	1	0	0	0	7	3	4	30	4	4	0
MAY 20...	0	--	1	0	0	6	4	2	40	6	3	3
JUN 24...	0	0	0	10	0	11	5	6	20	4	4	0
JUL 16...	0	0	0	10	0	5	1	4	70	10	10	0
AUG 20...	0	--	2	30	0	5	2	3	110	7	7	0
SEP 03...	1	--	4	40	0	15	11	4	110	1	1	0

293810089392000 BLACK BAY NEAR MOUTH OF RIVER AUX CHENES, NEAR BOHEMIA, LA (CE 86070)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT												
26...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
20...	.0	.0	.0	6	4	2	0	0	0	10	0	10
DEC												
07...	.0	.0	.0	6	6	0	0	0	0	--	--	20
JAN												
22...	.0	.0	.0	0	0	0	0	0	0	20	0	20
FEB												
28...	.0	.0	.0	6	6	0	0	0	0	130	80	50
MAR												
25...	.0	.0	.0	7	5	2	0	0	0	30	20	10
APR												
30...	.1	.1	.0	5	2	3	0	0	0	--	--	20
MAY												
20...	.1	.1	.0	8	2	6	0	0	0	10	0	10
JUN												
24...	.1	.1	.0	10	7	3	0	0	0	40	30	10
JUL												
16...	.1	.1	.0	6	4	2	0	0	0	40	20	20
AUG												
20...	.0	--	.1	6	3	3	0	0	0	90	70	20
SEP												
03...	.0	--	.2	5	1	4	0	0	0	90	50	40

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT											
26...	--	--	--	0	.0	.00	.000	.0	.000	.000	.000
NOV											
20...	10	.00	2	0	.0	.00	.000	.0	.000	.000	.000
DEC											
07...	8.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JAN											
22...	8.8	.00	1	0	.0	.00	.000	.0	.000	.000	.000
FEB											
28...	8.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR											
25...	8.8	.00	1	0	.0	.00	.000	.0	.000	.000	.000
APR											
30...	10	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY											
20...	9.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN											
24...	31	.00	0	1	.0	.00	.000	.0	.000	.000	.000
JUL											
16...	12	.00	1	0	.0	.00	.000	.0	.000	.000	.000
AUG											
20...	12	.00	0	0	.0	.00	.000	.0	.000	.000	.000
SEP											
03...	9.4	.01	1	0	.0	.00	.000	.0	.000	.000	.000

293810089392000 BLACK BAY NEAR MOUTH OF RIVER AUX CHENES, NEAR BOHEMIA, LA (CE 86070)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
26...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
07...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
22...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
28...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
30...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
24...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
16...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
20...	.00	.000	.000	.000	.00	.034	.000	.053	.00	.00	.00
SEP											
03...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
26...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.57	.000
NOV											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.19	.000
DEC											
07...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.32	.000
JAN											
22...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.72	.000
FEB											
28...	.00	.00	.00	.00	.0	.00	.00	.00	.00	14.6	.000
MAR											
25...	.00	.00	.00	.00	.0	.00	--	--	--	3.88	.000
APR											
30...	.00	.00	.00	.00	.0	.00	.00	.00	.00	8.98	.000
MAY											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.36	.080
JUN											
24...	.00	.00	.00	.00	.0	.00	.00	.00	.00	9.29	.770
JUL											
16...	.00	.00	.00	.00	.0	.00	.00	.00	.00	21.5	1.01
AUG											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	14.3	.000
SEP											
03...	.00	.00	.00	.00	.0	.00	.00	.00	.00	13.2	.000

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 99212)

LOCATION.--Lat 29°27'30", long 89°03'22", T.22 S., R.21 E., Plaquemines Parish, Hydrologic Unit 08090203, 42.4 mi (78.2 km) southeast of Hopedale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1976 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
25...	1200	40800	8.2	10	8	<1.0	8.6	790	.9	<4	<2	4700
NOV												
19...	1230	40100	8.2	5	3	<1.0	10.1	430	.6	<4	<2	5300
DEC												
05...	1200	26500	7.8	0	2	<1.0	11.4	600	.2	<5	<5	3100
JAN												
21...	1225	31500	8.0	10	10	<1.0	10.2	320	1.0	<10	K8	4000
FEB												
27...	1110	41900	8.2	0	2	<1.0	9.6	240	1.0	<4	<2	5200
MAR												
24...	1120	26800	8.0	5	20	<1.0	10.4	260	--	K20	<2	3400
APR												
29...	1015	28900	8.1	80	3	<1.0	9.2	650	1.0	K10	<5	3500
MAY												
19...	1152	17400	7.6	5	6	<1.0	8.0	410	1.1	<4	K4	2000
JUN												
23...	1210	32000	8.2	0	2	<1.0	7.9	360	.7	<4	<2	4100
JUL												
14...	1521	40500	8.3	0	1	<1.0	9.6	120	2.7	<4	<2	5000
AUG												
19...	1425	38400	8.5	5	2	<1.0	10.9	240	1.4	K40	120	4700
SEP												
02...	1155	38300	8.4	5	2	<1.0	7.1	46	1.8	K4	<2	4700

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
25...	4600	250	1000	8800	95	56	350	135	0	111	2300	16000
NOV												
19...	5100	290	1100	8000	75	48	460	132	0	108	2200	15000
DEC												
05...	3100	150	670	5200	--	--	--	89	0	73	1300	9100
JAN												
21...	3900	230	820	6600	77	46	250	103	0	84	1500	12000
FEB												
27...	5100	260	1100	4800	52	29	3500	126	0	103	2000	13000
MAR												
24...	3300	210	700	5200	76	39	210	98	0	80	1300	10000
APR												
29...	3400	230	720	5800	76	42	270	11[illegible]	0	98	820	11000
MAY												
19...	1900	130	400	3400	79	33	250	76	0	62	830	6000
JUN												
23...	4000	240	840	6600	76	45	290	112	0	92	660	13000
JUL												
14...	4900	340	1000	8600	78	53	330	128	0	105	2200	16000
AUG												
19...	4600	310	950	8000	77	51	350	126	7	103	2000	15000
SEP												
02...	4600	300	970	8100	77	51	410	131	4	107	1700	15000

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 99212)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)
OCT 25...	21	.00	.01	.01	.40	.030	0	--	1	--	--	8
NOV 19...	70	.12	.02	.14	.72	.030	1	1	0	--	--	10
DEC 05...	593	.02	.02	.04	.89	.010	1	0	1	0	0	0
JAN 21...	0	.03	.01	.04	.41	.030	1	0	1	10	0	10
FEB 27...	10	.02	.02	.04	.20	.010	0	0	0	10	0	10
MAR 24...	26	.01	.01	.02	.56	.050	0	0	0	10	0	10
APR 29...	26	.01	.32	.33	1.1	.040	1	0	1	10	10	<1
MAY 19...	17	.05	.01	.06	.81	.050	0	--	1	10	0	10
JUN 23...	39	.00	.01	.01	1.8	.030	0	0	0	8	8	0
JUL 14...	114	.08	.00	.08	.46	.040	1	0	1	10	0	10
AUG 19...	26	.00	.00	.00	.83	.010	1	0	1	10	0	10
SEP 02...	4	.00	.00	.00	.47	.060	2	0	2	--	--	20

DATE	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)
OCT 25...	0	0	0	10	0	0	0	0	100	3	3	0
NOV 19...	0	--	1	20	0	0	0	0	100	4	4	0
DEC 05...	0	--	1	10	0	2	0	2	60	2	2	0
JAN 21...	1	1	0	20	0	9	9	0	70	1	--	2
FEB 27...	0	0	0	30	0	5	5	0	150	0	0	0
MAR 24...	1	1	0	30	0	4	2	2	60	3	3	0
APR 29...	0	--	<1	30	0	5	4	1	10	2	1	1
MAY 19...	0	0	0	10	0	4	2	2	80	4	4	0
JUN 23...	1	1	0	30	0	5	3	2	70	3	3	0
JUL 14...	0	0	0	30	0	5	3	2	130	5	4	1
AUG 19...	1	0	1	50	0	6	5	1	150	3	3	0
SEP 02...	0	0	0	20	0	32	32	0	130	5	5	0

< Actual value is known to be less than the value shown.

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 99212)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT												
25...	.0	.0	.0	2	2	0	0	0	0	20	0	20
NOV												
19...	.1	.0	.1	4	3	1	0	0	0	--	--	20
DEC												
05...	.2	.2	.0	2	--	3	0	0	0	40	20	20
JAN												
21...	.0	.0	.0	2	--	5	0	0	0	--	--	30
FEB												
27...	.0	--	.2	7	7	0	1	1	0	30	10	20
MAR												
24...	.0	.0	.0	5	5	0	0	0	0	30	0	30
APR												
29...	.0	.0	.0	4	2	2	0	0	0	10	4	6
MAY												
19...	.0	.0	.0	6	5	1	0	0	0	20	10	10
JUN												
23...	.0	--	.1	7	4	3	0	0	0	20	10	10
JUL												
14...	.0	.0	.0	0	--	2	0	0	0	70	40	30
AUG												
19...	.0	.0	.0	4	2	2	0	0	0	110	80	30
SEP												
02...	.0	--	.2	2	--	3	0	0	0	50	20	30

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT											
25...	4.7	.00	0	--	.0	.00	.000	.0	.000	.000	.000
NOV											
19...	--	.00	0	0	.0	.00	.000	.0	.000	.000	.000
DEC											
05...	3.5	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JAN											
21...	3.4	.00	1	--	.0	.00	.000	.0	.000	.000	.000
FEB											
27...	2.8	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR											
24...	5.9	.00	0	1	.0	.00	.000	.0	.000	.000	.000
APR											
29...	4.9	.00	0	1	.0	.00	.000	.0	.010	.000	.004
MAY											
19...	5.7	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN											
23...	3.6	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JUL											
14...	3.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000
AUG											
19...	4.7	.00	1	0	.0	.00	.000	.0	.000	.000	.000
SEP											
02...	2.7	.00	0	0	.0	.00	.000	.0	.000	.000	.000

MISSISSIPPI RIVER DELTA

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 99212)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
05...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
27...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
24...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
19...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
23...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
14...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
02...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.000	.000
NOV											
19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.34	2.64
DEC											
05...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.08	.000
JAN											
21...	.00	.00	.00	.00	.0	.00	.05	.00	.00	4.25	.000
FEB											
27...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.000	.000
MAR											
24...	.00	.00	.00	.00	.0	.00	.00	.00	.00	17.3	.000
APR											
29...	.00	.00	.00	.00	.0	.00	.01	.00	.00	14.4	.000
MAY											
19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	8.35	.000
JUN											
23...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.000	.000
JUL											
14...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.70	.000
AUG											
19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.070	.000
SEP											
02...	.00	.00	.00	.00	.0	.00	.00	.00	.00	8.39	.000

291919089361800 BAYOU LONG AT MILE 5.1, NEAR EMPIRE, LA (CE 99213)

LOCATION.--Lat 29°19'19", long 89°36'18", in sec.11, T.21 S., R.28 E., Plaquemines Parish, Hydrologic Unit 08090301, 4.2 mi (6.8 km) south southwest of Empire.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 26...	1040	35500	7.9	15	10	<1.0	8.5	700	2.2	3100	<4	4300
NOV 20...	1045	32000	7.8	5	15	<1.0	9.1	--	1.2	84	K6	3800
DEC 07...	1020	31600	7.9	10	15	<1.0	9.8	180	3.3	K80	K20	3700
JAN 22...	0955	22900	8.0	15	9	<1.0	9.8	180	--	K10	<2	2600
FEB 28...	1000	35600	8.2	5	7	<1.0	9.7	230	1.3	92	<2	4500
MAR 25...	1015	29700	7.9	5	10	<1.0	8.7	240	1.7	100	K4	3600
APR 30...	0930	23700	7.8	0	10	<1.0	8.5	--	--	K64	K12	2800
MAY 20...	1052	15200	7.8	5	10	<1.0	7.0	150	1.1	K180	K28	1700
JUN 24...	1040	21600	8.4	5	15	<1.0	7.2	240	2.9	K14	K3	2600
JUL 16...	1045	35200	7.0	5	7	<1.0	6.4	190	2.2	<5	<5	4500
AUG 20...	1050	27400	7.9	10	10	<1.0	6.6	170	.1	K80	K2	3200
SEP 03...	1030	30700	7.2	5	2	<1.0	7.2	--	1.8	--	K4	3500

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 26...	4200	260	890	7300	77	48	370	144	0	118	1900	13000
NOV 20...	3700	250	770	6400	77	45	310	141	0	116	1700	11000
DEC 07...	3600	180	800	6400	77	46	240	134	0	110	1600	11000
JAN 22...	2500	180	530	4400	78	37	190	125	0	103	880	7800
FEB 28...	4300	270	920	7200	76	47	300	140	0	115	1900	13000
MAR 25...	3500	230	740	5700	76	41	240	136	0	112	1600	10000
APR 30...	2700	190	570	4600	76	38	210	121	0	99	1000	8400
MAY 20...	1600	120	340	2800	77	30	110	108	0	89	730	5100
JUN 24...	2500	180	520	3800	75	33	170	125	1	103	1100	7300
JUL 16...	4400	300	920	7500	77	48	300	132	0	108	1900	14000
AUG 20...	3100	220	640	5300	77	41	210	140	0	115	1200	10000
SEP 03...	3400	240	700	6100	78	45	210	143	0	117	540	12000

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

291919089361800 BAYOU LONG AT MILE 5.1, NEAR EMPIRE, LA (CE 99213)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
OCT												
26...	70	.05	.03	.08	.48	.070	2	2	0	10	10	0
NOV												
20...	54	.08	.01	.09	.84	.070	1	1	0	--	--	10
DEC												
07...	20	.12	.01	.13	.70	.030	1	0	1	10	0	10
JAN												
22...	5	.69	.05	.74	1.1	.090	1	0	1	0	0	0
FEB												
28...	17	.20	.02	.22	.59	.070	1	0	1	10	0	10
MAR												
25...	18	.19	.02	.20	.96	.050	0	0	0	10	0	10
APR												
30...	55	.65	.03	.68	.64	.070	2	0	2	--	--	10
MAY												
20...	21	.21	.04	.25	.80	.070	1	0	1	0	0	0
JUN												
24...	20	.03	.02	.05	.87	.060	2	1	1	0	0	0
JUL												
16...	135	.00	.00	.00	1.0	.100	2	0	2	10	0	10
AUG												
20...	35	.00	.01	.01	1.2	.090	4	2	2	--	--	10
SEP												
03...	59	.06	.02	.08	.94	.090	2	1	1	10	0	10

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT												
26...	0	0	0	20	0	0	0	0	90	2	2	0
NOV												
20...	0	0	0	20	0	2	2	0	80	5	5	0
DEC												
07...	0	0	0	20	0	7	--	10	70	7	1	6
JAN												
22...	0	--	1	10	0	5	4	1	100	2	1	1
FEB												
28...	1	1	0	10	0	7	--	9	100	18	17	1
MAR												
25...	1	1	0	20	0	4	2	2	70	5	5	0
APR												
30...	0	0	0	--	0	4	2	2	50	2	2	0
MAY												
20...	0	0	0	20	0	9	6	3	40	13	12	1
JUN												
24...	0	0	0	20	0	7	2	5	40	2	2	0
JUL												
16...	0	0	0	20	0	4	2	2	120	9	8	1
AUG												
20...	0	--	1	20	0	5	2	3	90	6	6	0
SEP												
03...	0	--	3	30	1	9	8	1	110	4	4	0

291919089361800 BAYOU LONG AT MILE 5.1, NEAR EMPIRE, LA (CE 99213)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
OCT												
26...	.0	--	.1	2	0	2	0	0	0	--	--	20
NOV												
20...	.0	--	.1	4	2	2	0	0	0	--	--	20
DEC												
07...	.3	.3	.0	7	3	4	0	0	0	50	10	40
JAN												
22...	.0	.0	.0	6	3	3	0	0	0	10	0	10
FEB												
28...	.0	--	.1	0	0	0	0	0	0	30	0	30
MAR												
25...	.0	.0	.0	3	1	2	0	0	0	30	10	20
APR												
30...	.1	.0	.1	9	9	0	0	0	0	30	20	10
MAY												
20...	.1	--	.2	17	14	3	0	0	0	50	40	10
JUN												
24...	.0	.0	.0	12	10	2	0	0	0	50	40	10
JUL												
16...	.0	.0	.0	9	9	0	0	0	0	40	10	30
AUG												
20...	.0	.0	.0	6	4	2	0	0	0	60	40	20
SEP												
03...	.0	--	.0	5	2	3	0	0	0	60	40	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT											
26...	--	.00	2	0	.0	.00	.000	.0	.000	.000	.000
NOV											
20...	6.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000
DEC											
07...	3.7	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JAN											
22...	5.0	.00	2	0	.0	.00	.000	.0	.000	.000	.000
FEB											
28...	2.4	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR											
25...	4.2	.00	1	0	.0	.00	.000	.0	.000	.000	.000
APR											
30...	4.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY											
20...	5.3	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN											
24...	--	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL											
16...	6.5	.00	1	0	.0	.00	.000	.0	.000	.000	.000
AUG											
20...	4.1	.00	1	0	.0	.00	.000	.0	.000	.000	.000
SEP											
03...	16	.00	2	2	.0	.00	.000	.0	.000	.000	.000

291919089361800 BAYOU LONG AT MILE 5.1, NEAR EMPIRE, LA (CE 99213)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
26...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
20...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
07...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
22...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
28...	.05	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
30...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
24...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
16...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
03...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
26...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.08	.000
NOV											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.92	.000
DEC											
07...	.00	.00	.00	.00	.0	.00	.00	.00	.00	17.0	.000
JAN											
22...	.00	.00	.00	.00	.0	.00	.01	.00	.00	8.83	.000
FEB											
28...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.910	.000
MAR											
25...	.00	.00	.00	.00	.0	.00	.01	.00	.00	9.72	.000
APR											
30...	.00	.00	.00	.00	.0	.00	.02	.00	.00	6.76	.000
MAY											
20...	.00	.00	.00	.00	.0	.00	.01	.01	.00	7.96	.000
JUN											
24...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.96	.390
JUL											
16...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.6	.000
AUG											
20...	.00	.00	.00	.00	.0	.00	.01	.00	.00	11.7	.000
SEP											
03...	.00	.00	.00	.00	.0	.00	.00	.00	.00	9.03	.000

07380250 BAYOU BARATARIA AT LAFITTE, LA (CE 82875)

LOCATION.--Lat 29°40'06", long 90°06'36", in lot 5, T.16 S., R.23 E., Jefferson Parish, Hydrologic Unit 08090301, 1.0 mi (1.6 km) south of Lafitte.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to current year.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 33.0°C July 10-14, 1980; minimum daily, 3.0°C Jan. 20, 1977.
CHLORIDE: Maximum daily, 10,000 mg/L Apr. 21, 1977; minimum daily, 60 mg/L June 9, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 33.0°C July 10-14; minimum daily, 7.0°C Feb. 3.
CHLORIDE: Maximum daily, 5,300 mg/L Aug. 11, 12; minimum daily, 60 mg/L June 9.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	23.0	9.5	20.0	10.0	10.0	18.0	22.0	29.0	32.0	31.0	28.0
2	26.0	21.0	9.0	20.0	8.0	---	18.0	23.0	28.0	30.0	30.0	28.0
3	27.0	20.0	9.0	20.0	7.0	9.0	18.0	25.0	28.0	31.0	30.0	28.0
4	27.0	18.0	10.0	15.0	9.0	10.0	19.0	24.0	30.0	31.0	30.0	30.0
5	24.0	17.0	12.0	21.0	9.0	12.0	19.0	24.0	30.0	31.0	30.0	30.0
6	24.0	18.0	13.0	20.0	9.0	14.0	19.0	25.0	30.0	31.0	30.0	30.0
7	25.0	18.0	12.0	23.0	9.0	17.0	---	25.0	30.0	32.0	30.0	30.0
8	25.0	18.0	12.0	22.0	10.0	20.0	19.0	26.0	30.0	32.0	30.0	30.0
9	26.0	19.0	13.0	19.0	10.0	21.0	20.0	27.0	30.0	32.0	30.0	30.0
10	25.0	21.0	14.0	21.0	12.0	20.0	20.0	26.0	30.0	33.0	30.0	30.0
11	23.0	18.0	16.5	16.0	13.0	21.0	20.0	26.0	30.0	33.0	30.0	30.0
12	22.0	17.0	17.0	15.0	13.0	22.0	20.0	26.0	---	33.0	30.0	30.0
13	22.0	16.0	18.5	15.0	9.0	22.0	20.0	27.0	---	33.0	30.0	30.0
14	22.0	14.0	17.0	15.5	9.0	20.0	20.0	26.0	---	33.0	---	30.0
15	22.0	13.0	15.0	---	9.0	19.0	19.0	27.0	---	32.0	---	30.0
16	23.0	12.0	14.0	---	9.0	20.0	19.0	26.0	---	32.0	---	30.0
17	24.0	12.0	15.0	---	9.0	20.0	20.0	26.0	---	31.0	---	30.0
18	25.0	11.0	9.0	---	10.0	18.0	20.0	26.0	---	31.0	29.0	30.0
19	26.0	11.0	8.0	---	9.0	19.0	19.0	25.0	---	31.0	29.0	29.0
20	26.0	11.0	10.5	---	13.5	19.0	21.0	24.0	---	29.0	29.0	29.0
21	27.0	14.0	12.0	---	15.0	19.0	22.0	26.0	---	29.0	29.0	29.0
22	26.0	19.0	13.0	---	17.0	19.0	23.0	26.0	---	29.0	29.0	29.0
23	24.0	17.0	14.0	---	18.0	19.0	24.0	26.0	---	29.0	29.0	29.0
24	24.0	16.0	16.0	---	17.0	19.0	24.0	26.0	---	29.0	29.0	29.0
25	19.0	16.0	14.0	---	16.0	19.0	25.0	28.0	---	30.0	29.0	29.0
26	20.0	16.0	10.5	---	13.0	19.0	25.0	28.0	---	30.0	29.0	29.0
27	21.0	16.0	12.0	---	14.0	20.0	22.0	28.0	---	29.0	29.0	29.0
28	21.0	---	11.0	---	14.0	20.0	20.0	30.0	---	28.0	29.0	29.0
29	23.0	12.0	---	---	16.0	20.0	21.0	29.0	---	30.0	29.0	29.0
30	23.0	10.0	11.0	---	---	20.0	22.0	29.0	---	29.0	29.0	29.0
31	23.0	---	11.0	---	---	20.0	---	29.0	---	30.0	29.0	---

07380250 BAYOU BARATARIA AT LAFITTE, LA (CE 82875)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	600	4600	850	1000	500	400	550	110	120	---	450	2700
2	500	2600	900	1000	600	450	450	140	120	140	590	3000
3	600	3100	950	800	600	400	450	140	120	170	660	2900
4	600	3100	950	800	550	500	300	120	110	190	660	4000
5	500	3100	1000	1400	600	750	250	120	90	140	940	3300
6	600	2900	1000	1400	650	2200	300	120	90	210	1300	5100
7	600	2100	1000	1300	450	1400	---	110	110	350	1500	4100
8	600	2000	2200	1400	1100	1200	300	130	65	290	1400	1500
9	600	3200	2200	2000	1100	1300	300	130	60	400	1800	1400
10	1700	3200	2100	2000	750	1000	350	130	100	630	4100	1400
11	900	1900	2100	1300	750	950	300	110	95	760	5300	1400
12	260	1800	2200	700	750	1400	300	160	---	750	5300	1700
13	1200	1100	1800	600	1300	2000	106	160	---	700	2500	1700
14	1300	1000	1600	900	1400	750	100	---	---	200	---	2300
15	1200	1500	1500	700	900	700	100	170	---	200	---	2300
16	1400	1600	3400	800	450	1700	150	190	---	100	---	2700
17	1500	1200	1700	500	400	1800	200	180	---	350	---	2300
18	1600	1200	1100	500	450	1100	190	120	---	2100	1000	2700
19	1600	1100	900	400	1200	600	180	120	---	2700	600	1500
20	2200	1500	1000	450	1800	750	180	180	---	1500	650	2500
21	2100	1500	1000	450	2300	1000	160	140	---	650	750	2500
22	2100	1800	1600	500	2600	550	130	120	---	1400	840	2600
23	2600	1700	1400	500	2500	600	140	110	---	1400	2000	2800
24	1800	1600	1400	550	600	750	140	110	---	2100	2100	2900
25	1800	1700	900	500	600	550	140	120	---	1700	2100	2700
26	2400	1500	900	500	550	550	120	120	---	1900	1600	4200
27	2500	1400	800	500	550	650	130	110	---	1500	2600	3400
28	2300	850	900	500	600	750	120	130	---	1400	3500	3300
29	2200	850	900	500	750	900	130	140	---	350	3700	3100
30	2400	---	900	500	---	1400	130	120	---	300	3200	2100
31	4500	---	900	---	---	550	---	120	---	300	2600	---

293604090041000 BARATARIA BAY WATERWAY AT MILE 25.0, NEAR LAFITTE, LA (CE 82879)

LOCATION.--Lat 29°36'04", long 90°04'10", T.17 S., R.24 E., Jefferson Parish, Hydrologic Unit 08090301, 5.8 mi (9.3 km) south southeast of Lafitte and at mile 25.0.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1976 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
FEB 28...	1045	7670	8.0	30	30	<1.0	9.7	91	1.6	K76	K8	860
MAR 25...	1030	5950	7.8	30	35	<1.0	9.2	65	1.6	K200	K30	660
APR 30...	1010	1060	7.5	60	30	<1.0	7.9	43	--	K80	K12	130
MAY 20...	1130	819	7.5	50	30	<1.0	7.3	43	1.1	860	130	120
JUN 24...	0935	696	6.7	50	15	<1.0	6.6	22	1.0	K52	K24	76
JUL 16...	1110	2170	7.4	40	10	<1.0	6.5	37	1.4	K8	<5	220
AUG 20...	1156	8650	7.6	20	15	<1.0	6.2	64	1.4	K10	K4	890
SEP 03...	1120	18400	7.1	20	10	<1.0	7.0	20	2.2	K40	K6	1900

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
FEB 28...	780	69	170	1300	75	19	47	97	0	80	340	2400
MAR 25...	580	65	120	1000	76	17	39	95	0	78	300	1800
APR 30...	86	19	20	180	74	6.9	7.9	53	0	43	45	320
MAY 20...	73	20	17	150	72	6.0	6.3	57	0	47	42	250
JUN 24...	37	15	9.4	100	73	5.0	4.0	47	0	39	17	170
JUL 16...	160	27	36	360	77	11	15	63	0	52	69	610
AUG 20...	830	77	170	1600	78	23	59	74	0	61	330	2800
SEP 03...	1800	160	370	3500	79	35	100	107	0	88	390	6800

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

293604090041000 BARATARIA BAY WATERWAY AT MILE 25.0, NEAR LAFITTE, LA (CE 82879)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB												
28...	51	.47	.01	.48	1.2	.060	1	1	0	0	0	0
MAR												
25...	68	.78	.05	.83	1.5	.120	1	0	1	0	0	0
APR												
30...	55	.19	.02	.21	1.3	.100	2	1	1	0	--	<1
MAY												
20...	38	.58	.02	.60	1.2	.190	2	0	2	0	--	<1
JUN												
24...	18	.06	.02	.08	.98	.120	3	1	2	0	--	<1
JUL												
16...	34	.07	.01	.08	1.3	.130	3	1	2	--	--	10
AUG												
20...	23	.00	.00	.00	1.6	.090	1	0	1	--	--	10
SEP												
03...	31	.09	.01	.10	1.6	.110	2	1	1	0	0	0

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB												
28...	0	0	0	0	0	4	--	5	40	10	10	0
MAR												
25...	0	0	0	0	1	4	0	4	30	7	7	0
APR												
30...	0	--	<1	0	0	6	2	4	60	6	5	1
MAY												
20...	0	0	0	0	0	7	5	2	10	7	7	0
JUN												
24...	0	--	<1	0	0	6	2	4	70	4	4	0
JUL												
16...	0	0	0	10	0	6	3	3	40	14	14	0
AUG												
20...	1	1	0	30	0	17	14	3	20	5	5	0
SEP												
03...	1	--	2	0	0	10	9	1	70	3	3	0

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
FEB												
28...	.0	.0	.0	3	3	0	0	0	0	--	--	40
MAR												
25...	.0	--	.1	7	5	2	0	0	0	30	10	20
APR												
30...	.0	.0	.0	7	2	5	0	0	0	20	20	<3
MAY												
20...	.1	.1	.0	10	8	2	0	0	0	20	20	<3
JUN												
24...	.1	.1	.0	8	5	3	0	0	0	30	30	<3
JUL												
16...	.1	.1	.0	5	3	2	0	0	0	30	30	0
AUG												
20...	.1	.1	.0	6	2	4	0	0	0	70	60	10
SEP												
03...	.1	.1	.0	5	2	3	0	0	0	40	30	10

< Actual value is known to be less than the value shown.

293604090041000 BARATARIA BAY WATERWAY AT MILE 25.0, NEAR LAFITTE, LA (CE 82879)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB											
28...	13	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR											
25...	15	.01	2	0	.0	.00	.000	.0	.000	.000	.000
APR											
30...	15	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY											
20...	12	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN											
24...	24	.00	1	1	--	--	--	--	--	--	--
JUL											
16...	13	.00	4	0	.0	.00	.000	.0	.000	.000	.000
AUG											
20...	16	.00	4	0	.0	.00	.000	.0	.000	.000	.000
SEP											
03...	4.4	.00	8	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB											
28...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
25...	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
30...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
20...	.03	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
24...	--	--	--	--	--	--	--	--	--	--	--
JUL											
16...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
03...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB											
28...	.00	.00	.00	.00	.0	.00	.01	.00	.01	16.5	.000
MAR											
25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	8.22	.000
APR											
30...	.00	.00	.00	.00	.0	.00	.02	.00	.02	20.0	.000
MAY											
20...	.00	.00	.00	.00	.0	.00	.01	.00	.01	5.66	.000
JUN											
24...	--	--	--	--	--	--	.05	.00	.04	12.2	.000
JUL											
16...	.00	.00	.00	.00	.0	.00	.02	.00	.02	11.3	.770
AUG											
20...	.00	.00	.00	.00	.0	.00	.01	.00	.01	16.9	.000
SEP											
03...	.00	.00	.00	.00	.0	.00	.00	.00	.00	64.1	6.00

291618089564900 BARATARIA BAY WATERWAY AT MILE 0.8, NEAR GRAND ISLE, LA (CE 82876)

LOCATION.--Lat 29°16'18", long 89°56'49", in sec.29, T.21 S., R.25 E., Jefferson Parish, Hydrologic Unit 08090301, 0.2 mi (0.3 km) southwest of USC&GS Barataria Lighthouse and 3.4 mi (5.5 km) northeast of Grand Isle.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
FEB 28...	1020	31600	8.1	5	3	<1.0	9.1	140	.7	K72	<2	4000
MAR 25...	1020	38100	8.1	5	9	<1.0	9.1	240	2.2	80	<2	4900
APR 30...	0940	46000	7.9	0	10	<1.0	7.0	1700	--	<4	<5	6800
MAY 20...	1110	18600	7.8	10	10	<1.0	8.0	170	1.6	K32	K14	2100
JUN 24...	1050	39300	8.3	0	2	<1.0	7.7	430	1.0	<2	<1	5000
JUL 16...	1055	39200	7.9	10	4	<1.0	6.7	160	2.2	<5	<5	5400
AUG 20...	1108	31600	8.3	10	9	<1.0	7.1	190	1.0	K4	<2	3700
SEP 03...	1050	28300	7.3	10	10	<1.0	7.6	--	1.4	<4	<2	3200

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB 28...	3900	230	820	6300	76	44	250	119	0	98	1700	12000
MAR 25...	4800	300	1000	7900	77	49	300	133	0	109	2000	14000
APR 30...	6700	420	1400	10000	75	53	450	144	0	118	2200	19000
MAY 20...	2000	140	420	3400	77	32	130	93	0	76	750	6600
JUN 24...	4900	340	1000	7900	76	49	330	136	0	112	1900	15000
JUL 16...	5300	340	1100	8800	77	52	360	132	0	108	2200	17000
AUG 20...	3600	240	760	6300	77	45	220	137	0	112	1300	11000
SEP 03...	3100	220	650	5700	78	44	160	145	0	119	600	11000

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

291618089564900 BARATARIA BAY WATERWAY AT MILE 0.8, NEAR GRAND ISLE, LA (CE 82876)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB												
28...	10	.06	.02	.08	.69	.040	0	0	0	10	0	10
MAR												
25...	11	.11	.02	.13	.71	.040	0	0	0	20	10	10
APR												
30...	65	.05	.06	.11	.73	.050	2	0	2	20	0	20
MAY												
20...	27	.17	.05	.22	.83	.060	1	0	1	0	--	10
JUN												
24...	28	.00	.03	.03	.80	.930	1	0	1	10	0	10
JUL												
16...	124	.02	.02	.04	1.1	.110	2	0	2	10	0	10
AUG												
20...	26	.00	.00	.00	.78	.060	1	--	2	10	0	10
SEP												
03...	44	.00	.03	.03	.90	.070	2	0	2	10	0	10

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB												
28...	1	1	0	10	0	6	1	5	70	1	1	0
MAR												
25...	0	0	0	30	0	4	1	3	90	3	3	0
APR												
30...	0	0	0	30	0	4	2	2	130	0	0	0
MAY												
20...	0	0	0	20	0	6	4	2	40	4	4	0
JUN												
24...	0	0	0	30	0	16	12	4	90	5	5	0
JUL												
16...	0	0	0	20	0	10	8	2	150	--	--	2
AUG												
20...	0	--	1	30	0	5	3	2	100	8	8	0
SEP												
03...	0	--	2	30	1	5	4	1	80	2	2	0

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
FEB												
28...	.0	.0	.0	0	0	0	0	0	0	--	--	40
MAR												
25...	.0	--	.1	3	3	0	0	0	0	20	0	20
APR												
30...	.1	--	.3	6	6	0	0	0	0	20	0	20
MAY												
20...	.0	.0	.0	7	5	2	0	0	0	20	10	10
JUN												
24...	.0	--	.1	6	4	2	0	0	0	40	30	10
JUL												
16...	.0	.0	.0	5	4	1	0	0	0	50	20	30
AUG												
20...	.0	.0	.0	7	6	1	0	0	0	100	70	30
SEP												
03...	.0	--	.2	5	2	3	0	0	0	30	10	20

291618089564900 BARATARIA BAY WATERWAY AT MILE 0.8, NEAR GRAND ISLE, LA (CE 82876)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB											
28...	4.0	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR											
25...	3.7	.00	1	0	.0	.00	.000	.0	.000	.000	.000
APR											
30...	3.0	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY											
20...	5.4	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN											
24...	3.2	.00	0	1	.0	.00	.000	.0	.000	.000	.000
JUL											
16...	5.6	.00	3	0	.0	.00	.000	.0	.000	.000	.000
AUG											
20...	7.7	.00	5	6	.0	.00	.000	.0	.000	.000	.000
SEP											
03...	4.7	.00	3	0	.0	.00	.000	.0	.000	.000	.000

DATE	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)
FEB											
28...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
30...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
20...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
24...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
16...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
03...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
FEB											
28...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.560	.000
MAR											
25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	13.5	.000
APR											
30...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.66	.000
MAY											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.61	.000
JUN											
24...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.81	.000
JUL											
16...	.00	.00	.00	.00	.0	.00	.00	.00	.00	17.6	.000
AUG											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	44.9	1.04
SEP											
03...	.00	.00	.00	.00	.0	.00	.00	.00	.01	15.0	.000

294326090151500 CENTER OF LAKE SALVADOR NEAR BARATARIA, LA (CE 99216)

LOCATION.--Lat 29°43'26", long 90°15'15", T.15 S., R.22 E., St. Charles Parish, Hydrologic Unit 08090301, 7.3 mi (11.7 km) west southwest of Barataria.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
FEB 28...	1110	1210	7.7	60	55	<1.0	10.4	60	1.0	K36	K20	160
MAR 25...	1050	1420	7.7	40	60	<1.0	9.4	43	1.7	K400	K50	220
APR 30...	1020	245	6.9	50	15	<1.0	8.6	27	--	K20	K4	38
MAY 20...	1146	170	7.4	70	20	<1.0	8.4	44	1.7	130	K10	58
JUN 24...	0930	259	7.2	40	15	<1.0	6.2	22	1.2	K20	<2	34
JUL 16...	1130	435	7.4	50	15	<1.0	6.2	28	1.0	K5	<5	110
AUG 20...	1225	2830	7.6	30	4	<1.0	7.7	31	1.1	K24	<2	310
SEP 03...	1145	3310	7.1	30	10	<1.0	7.2	22	1.1	K28	K6	370

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB 28...	91	27	22	200	72	6.9	8.5	82	0	67	37	370
MAR 25...	150	32	34	300	74	8.8	10	82	0	67	81	550
APR 30...	11	9.8	3.3	33	63	2.3	3.0	33	0	27	7.0	48
MAY 20...	23	10	8.0	54	65	3.1	3.6	42	0	34	16	90
JUN 24...	8	6.1	4.6	36	67	2.7	3.0	32	0	26	9.6	53
JUL 16...	30	28	10	42	43	1.7	6.2	100	0	82	31	62
AUG 20...	250	34	54	420	73	10	18	66	0	54	100	740
SEP 03...	310	42	65	590	76	13	22	71	0	58	140	1100

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294326090151500 CENTER OF LAKE SALVADOR NEAR BARATARIA, LA (CE 99216)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB												
28...	90	.70	.03	.73	1.1	.160	1	0	1	0	--	<1
MAR												
25...	208	.66	.07	.73	1.8	.180	2	2	0	0	--	<1
APR												
30...	27	.10	.01	.11	.90	.080	1	0	1	0	--	<1
MAY												
20...	26	.29	.01	.30	.83	.180	2	0	2	0	--	<1
JUN												
24...	16	.04	.02	.06	.51	.150	2	0	2	0	--	<1
JUL												
16...	17	.55	.01	.56	1.4	.110	3	0	3	0	--	<1
AUG												
20...	0	.00	.00	.00	1.1	.040	1	0	1	0	--	<1
SEP												
03...	19	.09	.01	.10	1.4	.070	1	0	1	0	0	0

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB												
28...	0	--	<1	0	0	6	5	1	20	9	9	0
MAR												
25...	1	0	1	0	1	7	3	4	30	8	8	0
APR												
30...	0	--	<1	0	0	6	2	4	100	6	5	1
MAY												
20...	0	0	0	0	0	7	5	2	130	7	7	0
JUN												
24...	0	--	<1	0	0	7	3	4	80	3	3	0
JUL												
16...	0	--	<1	20	0	6	3	3	20	14	14	0
AUG												
20...	1	0	1	40	0	5	4	1	10	4	4	0
SEP												
03...	1	0	1	10	0	11	10	1	40	4	4	0

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
FEB												
28...	.0	.0	.0	3	3	0	0	0	0	--	40	30
MAR												
25...	.0	.0	.0	7	6	1	0	0	0	--	30	30
APR												
30...	.1	.1	.0	1	0	1	0	0	0	1.0	20	20
MAY												
20...	.0	.0	.0	10	8	2	0	0	0	1.0	30	30
JUN												
24...	.0	.0	.0	7	1	6	0	0	0	4.0	30	20
JUL												
16...	.1	.1	.0	5	5	0	0	0	0	2.0	30	30
AUG												
20...	.0	.0	.0	6	4	2	0	0	0	--	40	40
SEP												
03...	.1	.1	.0	4	0	4	0	0	0	--	60	50

< Actual value is known to be less than the value shown.

294326090151500 CENTER OF LAKE SALVADOR NEAR BARATARIA, LA (CE 99216)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB 28...	6	17	.01	1	0	.0	.00	.000	.0	.000	.000	.000
MAR 25...	<3	18	.01	3	0	.0	.00	.000	.0	.000	.000	.000
APR 30...	<3	12	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY 20...	<3	13	.00	2	1	.0	.00	.000	.0	.000	.000	.000
JUN 24...	9	22	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL 16...	<3	9.9	.00	6	0	--	--	--	--	--	--	--
AUG 20...	<3	12	.00	1	0	.0	--	.000	.0	.000	.000	.000
SEP 03...	10	13	.00	1	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB 28...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 30...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 20...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 24...	--	--	--	--	--	--	--	--	--	--	--
JUL 16...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 03...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB 28...	.00	.00	.00	.00	.0	.00	.01	.00	.01	13.5	.000
MAR 25...	.00	.00	.00	.00	.0	.00	--	--	--	26.4	.000
APR 30...	.00	.00	.00	.00	.0	.00	.04	.00	.03	16.3	.000
MAY 20...	.00	.00	.00	.00	.0	.00	.06	.00	.05	12.2	.600
JUN 24...	--	--	--	--	--	--	.16	.00	.08	12.8	.000
JUL 16...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.97	.000
AUG 20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.7	.000
SEP 03...	.00	.00	.00	.00	.0	.00	.04	.00	.00	13.6	.000

< Actual value is known to be less than the value shown.

07381000 BAYOU LAFOURCHE AT THIBODAUX, LA

LOCATION.--Lat 29°47'52", long 90°49'21", in lot 117, T.15 S., R.16 E., Lafourche Parish, Hydrologic Unit 08090301, on downstream side of left pier of drawspan of bridge on State Highway 20 at Thibodaux, and 2.7 mi (4.3 km) upstream from Laurel Valley Canal.

PERIOD OF RECORD.--April 1966 to current year (elevations only). Unpublished records, May 1954 to July 1957, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Weir located about 1,000 ft (300 m) downstream since Nov. 5, 1968.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.64 ft (2.329 m) Apr. 17, 1973; minimum, 0.82 ft (0.250 m) Dec. 2, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 7.18 ft (2.188 m) May 17; minimum, 3.83 ft (1.167 m), from recorded range line during period of no gage-height record, Mar. 11 to May 9.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.09	5.56	5.45	5.33	5.30	---	---	5.27	5.19	5.10	5.36
2	---	5.04	5.63	5.43	5.44	5.30	---	---	5.27	5.19	5.13	5.34
3	5.23	5.00	5.65	5.43	---	5.25	---	---	5.27	5.33	5.13	5.27
4	5.20	4.99	5.53	5.44	---	5.45	---	---	5.26	5.56	5.13	5.26
5	5.21	5.00	5.39	5.40	---	5.60	---	---	5.26	5.65	5.13	5.33
6	5.24	4.98	5.36	5.39	5.46	5.65	---	---	5.26	5.66	5.10	5.55
7	5.25	4.99	5.36	5.45	5.43	5.66	---	---	5.21	5.56	5.12	5.60
8	5.27	4.98	5.46	5.47	5.43	5.51	---	---	5.23	5.38	5.13	5.43
9	5.25	4.99	5.50	5.84	5.44	5.51	---	---	5.20	5.26	5.13	5.25
10	5.25	4.95	5.52	5.52	5.46	5.38	---	5.03	5.19	5.21	5.16	5.15
11	5.26	5.09	5.45	6.16	5.43	---	---	4.97	5.19	5.30	5.15	5.14
12	5.25	5.03	5.29	5.74	5.43	---	---	4.90	5.17	5.39	5.13	5.15
13	5.18	5.01	5.18	5.43	5.42	---	---	5.00	5.21	5.47	5.15	5.16
14	5.17	5.02	5.33	5.25	5.41	---	---	5.24	5.25	5.46	5.13	5.16
15	5.18	5.13	5.24	5.14	5.42	---	---	5.11	5.26	5.46	5.32	5.15
16	5.12	5.26	5.14	5.09	5.46	---	---	5.75	5.27	5.40	5.31	5.13
17	5.08	5.29	5.14	5.29	5.45	---	---	7.01	5.26	5.30	5.32	5.16
18	5.02	5.33	5.06	5.63	5.45	---	---	5.95	5.26	5.29	5.33	5.20
19	4.99	5.34	5.34	5.47	5.46	---	---	5.35	5.43	5.46	5.25	5.14
20	5.02	5.30	5.64	5.43	5.47	---	---	5.27	5.53	5.50	5.17	5.15
21	5.01	5.33	5.76	5.40	5.28	---	---	5.08	5.30	5.49	5.14	5.20
22	5.02	5.26	5.77	5.39	5.59	---	---	5.13	5.27	5.30	5.15	5.21
23	5.08	5.19	5.61	5.55	5.32	---	---	5.28	5.24	5.29	5.16	5.19
24	5.05	5.16	5.66	5.45	5.29	---	---	5.23	5.24	5.25	5.25	5.22
25	5.03	5.50	5.56	5.43	5.25	---	---	5.23	5.23	5.19	5.24	5.24
26	5.04	5.35	5.50	5.52	5.26	---	---	5.21	5.22	5.30	5.20	5.29
27	5.00	5.21	5.47	5.49	5.27	---	---	5.20	5.21	5.48	5.20	5.25
28	5.00	5.18	5.45	5.47	5.27	---	---	5.30	5.22	5.48	5.22	5.23
29	5.05	5.15	5.47	5.22	5.27	---	---	5.30	5.21	5.26	5.19	5.22
30	5.02	5.28	5.47	5.24	---	---	---	5.24	5.19	5.16	5.24	5.24
31	5.15	---	5.47	5.46	---	---	---	5.27	---	5.11	5.23	---
MEAN	---	5.15	5.45	5.45	---	---	---	---	5.25	5.37	5.19	5.25
MAX	5.27	5.50	5.77	6.16	5.59	---	---	7.01	5.53	5.66	5.33	5.60
MIN	4.99	4.95	5.06	5.09	---	---	---	---	5.17	5.11	5.10	5.13

07381200 BAYOU LAFOURCHE AT VALENTINE, LA

LOCATION.--Lat 29°35'35", long 90°21'25", on line between lots 96 and 98, T.17 S., R.20 E., Lafourche Parish, Hydrologic Unit 08090301, on upstream side of bridge on State Highway 308, at Valentine, 5.2 mi (8.4 km) upstream from Intracoastal Waterway, and 5.7 mi (9.2 km) south of Lockport.

PERIOD OF RECORD.--April 1966 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1968, at datum 2.98 ft (0.908 m) lower.

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Elevation affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 3.50 ft (1.067 m) Apr. 13, 1980; minimum, -0.18 ft (-0.055 m) Feb. 9, 1968 (present datum).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.50 ft (1.067 m) Apr. 13; minimum, 0.34 ft (0.10 m) Mar. 3.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.80	2.29	.80	1.02	1.09	1.44	2.28	1.56	2.02	1.14	1.30	1.69
2	1.64	2.05	.86	.94	.83	.97	2.44	1.71	2.04	1.07	1.43	1.66
3	1.52	1.84	.82	1.03	---	.36	2.95	1.80	2.04	1.14	1.49	1.59
4	1.52	1.63	.90	1.12	---	.64	2.91	1.63	2.00	1.32	1.54	1.64
5	1.31	1.58	.98	.85	---	1.12	2.70	1.51	1.94	1.38	1.66	2.21
6	1.33	1.57	1.34	.93	---	1.19	2.42	1.44	1.92	1.45	1.67	2.27
7	1.38	1.48	1.48	1.20	---	1.25	2.49	1.42	1.88	1.45	1.67	2.20
8	1.38	1.33	1.45	1.31	---	1.43	2.50	1.50	1.70	1.33	1.78	2.04
9	1.45	1.48	1.32	1.45	---	1.45	2.40	1.77	1.53	1.29	2.06	1.79
10	1.58	1.78	1.22	1.42	---	1.39	2.18	1.64	1.38	1.41	2.21	1.54
11	1.38	1.67	1.34	2.24	---	1.34	2.15	1.85	1.40	1.40	2.21	1.40
12	1.40	1.43	1.58	2.27	---	1.53	2.35	2.02	1.47	1.42	2.08	1.37
13	1.45	1.29	1.68	1.97	---	1.69	3.36	2.04	1.45	1.34	1.94	1.71
14	1.50	.90	1.49	1.93	---	1.37	3.41	2.09	1.57	1.19	1.76	1.69
15	1.29	.88	1.29	1.97	---	1.19	3.21	2.11	1.66	1.19	1.77	1.61
16	1.53	.92	1.44	1.98	1.49	1.40	3.01	2.26	1.75	1.00	1.77	1.72
17	1.69	.99	1.37	2.02	1.21	1.69	2.79	3.06	1.68	.94	1.75	1.81
18	1.67	1.09	1.02	2.12	1.08	1.87	2.61	3.02	1.68	1.18	1.67	1.85
19	1.71	1.24	1.01	1.99	1.36	1.38	2.56	2.89	1.53	1.39	1.58	1.76
20	1.91	1.41	1.15	1.90	1.56	1.47	2.36	2.84	1.41	1.34	1.39	1.88
21	2.10	1.49	1.23	1.81	1.57	1.71	2.18	2.61	1.35	1.50	1.29	1.89
22	2.14	1.75	1.39	1.80	1.66	1.21	2.00	2.54	1.19	1.58	1.19	1.94
23	2.18	1.74	1.64	1.94	1.72	1.21	1.83	2.43	1.21	1.78	1.15	1.95
24	1.78	1.51	1.96	1.41	1.71	1.47	1.76	2.28	1.22	1.64	1.11	2.00
25	1.59	1.69	1.64	1.39	1.71	1.48	1.95	2.16	1.33	1.52	1.31	2.06
26	1.54	1.69	1.23	1.54	1.27	1.35	2.29	2.04	1.19	1.60	1.54	2.17
27	1.54	1.59	1.06	1.61	1.09	1.58	2.12	1.94	1.04	1.68	1.55	2.10
28	1.64	1.61	1.07	1.39	1.07	2.04	1.80	1.94	1.13	1.77	1.55	2.06
29	1.74	1.15	1.19	1.38	1.24	2.34	1.53	1.98	1.24	1.54	1.61	2.03
30	1.87	.79	1.14	1.43	---	2.71	1.42	1.99	1.25	1.39	1.68	1.98
31	2.18	---	1.08	1.59	---	2.46	---	2.07	---	1.26	1.68	---
MEAN	1.64	1.46	1.26	1.58	---	1.48	2.40	2.07	1.54	1.38	1.63	1.85
MAX	2.18	2.29	1.96	2.27	1.72	2.71	3.41	3.06	2.04	1.78	2.21	2.27
MIN	1.29	.79	.80	.85	---	.36	1.42	1.42	1.04	.94	1.11	1.37

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)

LOCATION.--Lat 29°34'20", long 90°23'02", T.17 S., R.20 E., Lafourche Parish, Hydrologic Unit 08090301, at intersection with Intracoastal Waterway at mile 35.3 (WHL).

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1979.
CHLORIDE: October 1974 to current year.

REMARKS.--Flow direction is dependent upon tide and upon wind velocity.

COOPERATION.--Samples are collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.5°C July 28, 29, 1977; minimum daily, 6.0°C Jan. 19, 20, 1977, Jan. 20, 21, 22, 23, 1978.
CHLORIDE: Maximum daily, 6,700 mg/L Oct. 25, 1976; minimum daily, 18 mg/L Aug. 5, 1975.

EXTREMES FOR CURRENT YEAR.--
CHLORIDE: Maximum daily, 3,000 mg/L Aug. 9, 12; minimum daily, 20 mg/L several days during April, May and June.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 26...	1110	658	7.8	55	65	<1.0	7.1	29	1.4	5100	K160	130
NOV 20...	1100	500	7.3	60	90	<1.0	8.1	33	2.4	4800	1000	130
DEC 07...	1045	496	7.6	25	65	<1.0	8.9	170	2.5	--	3700	140
JAN 22...	1015	387	7.2	60	45	<1.0	7.2	54	--	450	K34	120
FEB 28...	1125	384	7.4	40	55	<1.0	9.1	51	2.5	1100	K50	120
MAR 25...	1215	398	7.7	15	65	<1.0	8.3	23	2.4	K200	88	140
APR 30...	1025	167	7.2	60	35	<1.0	6.2	31	--	K800	430	54
MAY 20...	1200	159	7.0	80	120	<1.0	5.6	67	2.1	K3200	430	59
JUN 24...	1135	383	7.2	30	45	<1.0	5.9	14	1.7	540	96	97
JUL 16...	1140	484	7.4	30	35	<1.0	4.3	36	.4	420	K320	130
AUG 20...	1240	537	8.0	20	10	<1.0	8.5	19	2.1	280	K270	160
SEP 03...	1155	2530	7.0	70	25	<1.0	5.4	31	1.5	--	<5	340

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 26...	39	32	13	69	63	2.6	5.1	115	0	94	42	110
NOV 20...	33	33	11	44	52	1.7	4.0	116	0	95	38	62
DEC 07...	44	35	12	46	41	1.1	5.0	114	0	94	51	72
JAN 22...	39	31	10	30	34	1.2	4.5	97	0	80	39	45
FEB 28...	29	30	10	33	37	1.3	4.1	106	0	87	32	55
MAR 25...	76	36	12	36	35	1.3	4.2	124	0	102	49	45
APR 30...	4	14	4.6	13	33	.8	2.7	61	0	50	6.1	20
MAY 20...	13	16	4.6	8.8	23	.5	3.1	56	0	46	9.4	13
JUN 24...	27	25	8.5	36	43	1.6	3.7	86	0	71	25	58
JUL 16...	42	35	11	43	40	1.6	4.1	111	0	91	39	66
AUG 20...	39	36	16	47	39	1.6	5.2	142	0	116	54	60
SEP 03...	220	55	50	410	71	9.6	16	151	0	124	110	760

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
OCT 26...	146	.63	.04	.67	.75	.140	3	2	1	0	--	<1
NOV 20...	178	.28	.03	.31	.86	.200	3	3	0	0	--	<1
DEC 07...	115	.49	.03	.52	.97	.060	2	1	1	0	--	<1
JAN 22...	50	.43	.03	.46	.90	.200	2	1	1	0	--	<1
FEB 28...	60	.20	.03	.23	.78	.160	1	0	1	0	--	<1
MAR 25...	80	.61	.05	.66	1.0	.130	2	1	1	0	--	<1
APR 30...	63	.04	.02	.06	1.5	.130	2	1	1	0	--	<1
MAY 20...	139	1.7	.15	1.8	1.2	.380	6	3	3	0	--	<1
JUN 24...	70	.25	.02	.27	.84	.060	3	1	2	0	--	<1
JUL 16...	69	.97	.01	.98	1.4	.170	3	1	2	10	--	<1
AUG 20...	12	.00	.00	.00	1.3	.100	3	0	3	0	--	<1
SEP 03...	45	.21	.02	.23	1.3	.160	3	1	2	0	0	0

< Actual value is known to be less than the value shown.

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT												
26...	1	0	1	0	0	1	1	0	50	5	3	2
NOV												
20...	0	--	<1	0	0	4	2	2	20	8	8	0
DEC												
07...	0	--	<1	0	0	10	7	3	20	10	9	1
JAN												
22...	0	--	<1	0	0	8	8	0	80	5	4	1
FEB												
28...	0	--	<1	0	0	6	5	1	20	9	9	0
MAR												
25...	0	--	<1	0	1	5	1	4	20	5	5	0
APR												
30...	0	--	<1	0	0	6	2	4	190	6	5	1
MAY												
20...	0	0	0	0	0	11	7	4	80	10	10	0
JUN												
24...	0	--	<1	0	0	21	16	5	30	10	10	0
JUL												
16...	0	--	<1	10	0	10	7	3	10	14	14	0
AUG												
20...	1	0	1	50	0	7	5	2	10	5	5	0
SEP												
03...	1	--	2	0	0	15	13	2	60	4	4	0

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
OCT												
26...	.1	.1	.0	6	3	3	0	0	0	--	10	7
NOV												
20...	.1	.1	.0	6	4	2	0	0	0	1.0	0	--
DEC												
07...	.0	.0	.0	10	10	0	0	0	0	1.0	10	2
JAN												
22...	.0	.0	.0	9	6	3	0	0	0	.0	20	20
FEB												
28...	.0	.0	.0	7	7	0	0	0	0	.0	70	60
MAR												
25...	.0	.0	.0	6	3	3	0	0	0	.0	20	20
APR												
30...	.3	.3	.0	6	1	5	0	0	0	.0	20	20
MAY												
20...	.1	.1	.0	13	9	4	0	0	0	2.0	40	40
JUN												
24...	.0	.0	.0	8	1	7	0	0	0	1.0	50	50
JUL												
16...	.1	.1	.0	6	4	2	0	0	0	2.0	50	50
AUG												
20...	.1	.1	.0	8	6	2	0	0	0	.0	70	70
SEP												
03...	.1	.1	.0	5	2	3	0	0	0	--	60	50

< Actual value is known to be less than the value shown.

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT												
26...	3	--	.00	4	0	.0	.00	.000	.0	.000	.000	.000
NOV												
20...	<3	15	.00	0	0	.0	.00	.000	.0	.000	.000	.000
DEC												
07...	8	13	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JAN												
22...	<3	15	.00	2	0	.0	.00	.000	.0	.000	.000	.000
FEB												
28...	6	16	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR												
25...	<3	12	.01	3	0	.0	.00	.000	.0	.000	.000	.000
APR												
30...	<3	13	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY												
20...	<3	12	.00	4	0	.0	.00	.000	.0	.000	.000	.000
JUN												
24...	<3	32	.00	9	0	.0	.00	.000	.0	.000	.000	.000
JUL												
16...	3	10	.00	4	0	.0	.00	.000	.0	.000	.000	.000
AUG												
20...	<3	9.2	.00	1	0	.0	.00	.000	.0	.000	.000	.000
SEP												
03...	10	17	.00	6	3	.0	.00	.000	.0	.000	.000	.000

DATE	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)
OCT											
26...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
20...	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
07...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
22...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
28...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
30...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
20...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
24...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
16...	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
20...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
03...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

< Actual value is known to be less than the value shown.

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
26...	.00	.00	.00	.00	.0	.00	.01	.00	.01	13.7	.000
NOV											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.4	.000
DEC											
07...	.00	.00	.00	.00	.0	.00	.17	.00	.01	28.8	.000
JAN											
22...	.00	.00	.00	.00	.0	.00	.09	.00	.01	16.4	.000
FEB											
28...	.00	.00	.00	.00	.0	.00	.03	.00	.01	39.0	1.82
MAR											
25...	.00	.00	.00	.00	.0	.00	.02	.00	.09	51.5	.000
APR											
30...	.00	.00	.00	.00	.0	.00	.00	.00	.07	18.1	1.10
MAY											
20...	.00	.00	.00	.00	.0	.00	.39	.05	.49	12.8	.000
JUN											
24...	.00	.00	.00	.00	.0	.00	.03	.00	.05	30.0	2.32
JUL											
16...	.00	.00	.00	.00	.0	.00	.04	.00	.01	26.2	.000
AUG											
20...	.00	.00	.00	.00	.0	.00	.14	.01	.00	49.9	2.10
SEP											
03...	.00	.00	.00	.00	.0	.00	.03	.00	.04	59.0	.000

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	300	1100	100	80	65	60	50	20	25	140	130	400
2	500	1000	100	80	60	50	45	25	20	89	190	300
3	280	1000	80	100	50	50	35	25	25	55	190	500
4	220	400	100	80	50	60	20	20	25	40	190	800
5	260	400	80	80	50	70	25	25	35	46	190	1000
6	380	540	160	100	50	120	25	25	---	55	190	900
7	360	320	180	80	60	130	30	25	25	49	200	1000
8	420	280	80	100	60	260	45	25	35	51	110	900
9	360	400	60	65	---	260	25	25	30	64	3000	1100
10	320	120	60	160	65	50	25	20	25	70	2800	500
11	340	100	100	160	60	55	25	20	50	70	2700	700
12	320	120	80	240	60	55	25	25	30	70	3000	600
13	600	80	60	100	60	80	30	25	35	55	1500	900
14	600	100	80	60	60	50	45	20	40	55	390	1000
15	600	84	63	70	55	130	25	20	30	55	200	900
16	500	76	60	65	55	120	30	25	35	60	260	1000
17	560	110	80	65	55	120	30	25	50	55	260	1000
18	540	110	60	60	50	75	30	20	30	50	280	300
19	520	110	40	70	50	60	55	20	25	45	350	400
20	1700	110	80	50	40	65	25	20	40	45	650	700
21	1700	78	60	60	75	80	20	35	25	46	550	700
22	1700	76	60	70	85	80	25	35	30	49	700	700
23	580	170	900	55	95	50	25	50	29	45	1300	900
24	440	100	820	55	100	50	25	55	43	45	1400	900
25	640	120	80	50	55	50	25	50	75	54	1400	700
26	380	100	60	65	50	50	45	55	92	83	900	800
27	320	60	80	55	65	55	25	40	150	84	650	400
28	320	80	60	60	75	150	25	20	130	89	500	300
29	300	100	60	80	55	40	25	25	130	180	1000	300
30	420	80	60	70	---	40	20	20	45	150	200	400
31	1100	---	60	95	---	40	---	25	---	77	150	---

07381350 COMPANY CANAL AT LOCKPORT, LA

LOCATION.--Lat 29°38'42", long 90°32'41", in SW¼ sec.18, T.16 S., R.19 E., Lafourche Parish, Hydrologic Unit 08090303, at center of bridge on State Highway 1 at Lockport.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 558 micromhos Feb. 24, 1980; minimum daily, 183 micromhos May 11, 1980.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	446	431	461	442	---	---	467	361
2			---	---	439	370	---	---	---	---	382	367
3			---	---	377	346	---	---	---	---	364	345
4			---	---	426	353	---	---	---	---	384	351
5			---	---	424	397	---	---	---	---	383	362
6			---	---	422	391	---	---	---	---	382	375
7			---	---	510	410	---	---	---	---	383	369
8			---	---	420	382	---	---	---	---	375	360
9			---	---	413	394	---	---	---	---	384	362
10			---	---	460	409	---	---	---	---	---	---
11			---	---	458	405	---	---	355	297	---	---
12			---	---	425	389	---	---	475	337	---	---
13			455	442	495	395	---	---	477	349	---	---
14			455	444	475	397	---	---	375	351	---	---
15			469	435	457	402	---	---	364	347	---	---
16			486	458	419	407	---	---	376	345	---	---
17			485	477	443	406	368	251	351	340	---	---
18			491	483	429	416	381	278	382	348	---	---
19			491	423	422	399	384	357	392	359	---	---
20			463	437	413	403	367	340	363	339	---	---
21			456	443	411	350	439	331	355	345	---	---
22			457	451	376	359	397	249	359	353	---	---
23			472	444	376	364	419	253	361	354	---	---
24			467	419	---	---	333	265	558	327	---	---
25			454	364	418	410	287	267	420	345	---	---
26			434	345	---	---	351	264	415	294	---	---
27			428	412	442	430	287	261	373	363	---	---
28			461	380	440	418	---	---	369	357	---	---
29			444	390	---	---	---	---	382	365	---	---
30			488	440	445	430	---	---	---	---	---	---
31			---	---	451	422	---	---	---	---	---	---

07381350 COMPANY CANAL AT LOCKPORT, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1			---	---			---	---			---	---
2			---	---			---	---			472	446
3			---	---			---	---			467	458
4			---	---			---	---			516	465
5			---	---			---	---			515	410
6			---	---			---	---			418	373
7			---	---			---	---			397	364
8			---	---			---	---			444	395
9			---	---			441	386			477	437
10			---	---			468	421			---	---
11			220	183			467	397			---	---
12			233	205			468	384			---	---
13			230	218			437	373			---	---
14			235	200			384	350			---	---
15			222	206			349	349			---	---
16			---	---			415	348			405	355
17			---	---			442	418			490	279
18			---	---			447	426			514	377
19			---	---			453	419			392	331
20			---	---			428	405			383	341
21			---	---			---	---			400	359
22			---	---			---	---			403	374
23			---	---			---	---			396	373
24			---	---			---	---			424	389
25			---	---			---	---			443	420
26			---	---			---	---			439	404
27			---	---			---	---			431	406
28			---	---			---	---			---	---
29			---	---			---	---			---	---
30			---	---			---	---			---	---
31			---	---			---	---			---	---

292245090123200 BAYOU LAFOURCHE AT GALLIANO, LA (CE 82300)

LOCATION.--Lat 29°22'45", long 90°12'32", T.19 S., R.9 E., Lafourche Parish, Hydrologic Unit 08090301, at Galliano.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1978.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 33.0°C July 7, 1977; minimum daily, 6.0°C Jan. 18, Feb. 1, 2, 1977.
CHLORIDE: Maximum daily, 12,000 mg/L Mar. 30, 1977; minimum, 10 mg/L Apr. 15, 21, 1980.

EXTREMES FOR CURRENT YEAR.--
CHLORIDE: Maximum daily, 7,500 mg/L Dec. 22; minimum daily, 10 mg/L Apr. 15, 21.

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	550	6300	150	150	70	60	50	15	25	130	230	2400
2	550	6400	150	150	75	50	200	15	23	130	240	1200
3	450	4400	150	150	75	50	100	20	23	120	240	6300
4	450	3300	100	4100	70	370	100	25	23	180	210	6400
5	450	3300	3600	4200	70	540	50	25	22	160	180	7100
6	500	2500	3600	4200	65	510	50	30	20	220	890	7100
7	450	1600	3700	4200	65	570	50	15	25	280	920	6900
8	450	1500	3700	2500	60	490	50	20	21	140	920	1000
9	450	6300	750	3600	980	490	50	25	28	170	920	1300
10	400	6200	750	450	150	1000	50	20	26	170	920	1300
11	350	500	1800	1600	130	100	35	20	36	170	930	1400
12	500	400	3100	150	130	200	35	30	35	190	620	1400
13	500	300	2000	150	180	100	35	25	36	99	6600	1400
14	3200	450	200	150	130	100	30	25	50	110	3400	1100
15	3200	300	100	100	1200	50	10	35	50	63	3500	1200
16	3200	800	200	60	55	650	15	35	58	170	400	1500
17	3700	1600	100	75	55	300	20	20	72	170	380	1100
18	2400	2400	100	80	95	100	15	25	36	70	490	1200
19	2500	---	100	75	2400	200	20	25	35	4300	310	1000
20	5000	---	3000	70	2900	50	15	20	35	4600	560	900
21	5000	7100	2500	---	5000	100	10	30	32	---	470	1000
22	1100	7100	7500	50	4800	50	15	30	34	4600	480	1000
23	1100	7200	7000	50	1300	450	20	15	35	3100	3700	1000
24	1100	7200	7300	45	500	450	20	40	25	2900	4000	1100
25	1300	5700	100	50	250	200	25	25	26	1900	4000	1100
26	1300	3000	100	80	50	200	20	20	36	1600	4100	1600
27	260	2100	150	75	100	250	25	30	82	2300	4300	1300
28	5800	2100	200	70	80	50	20	25	77	---	3800	1300
29	5800	2600	200	75	65	50	20	---	80	2300	4000	900
30	5600	250	150	60	---	50	20	---	130	1900	4100	900
31	6300	---	100	80	---	150	---	---	---	200	3200	---

07381330 INTRACOASTAL WATERWAY AT HOUMA, LA (CE 76320)

LOCATION.--Lat 29°35'55", long 90°42'36", in sec.8, T.17 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, at State Highway 24 bridge at Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1960, 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
FEB 28...	1135	414	7.3	40	100	<1.0	7.3	45	2.0	5200	560	120
MAR 25...	1230	365	7.6	10	30	<1.0	8.4	26	2.6	420	K52	120
APR 30...	1045	171	7.3	50	20	<1.0	6.4	66	--	100	K45	56
MAY 20...	1220	190	7.2	40	55	<1.0	5.3	43	2.0	K2400	440	56
JUN 24...	1155	304	7.3	30	35	<1.0	6.0	16	2.4	130	54	96
JUL 16...	1200	403	7.5	20	35	<1.0	4.4	31	3.1	K55	K50	130
AUG 20...	1256	1050	7.8	40	40	<1.0	4.9	28	.8	--	--	200
SEP 03...	1210	596	7.4	15	30	<1.0	6.4	47	.7	760	92	160

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
FEB 28...	29	32	11	32	35	1.2	4.2	116	0	95	33	54
MAR 25...	26	32	10	29	33	1.1	3.8	116	0	95	39	42
APR 30...	4	15	4.5	12	31	.7	2.7	63	0	52	6.9	16
MAY 20...	6	15	4.6	14	34	.8	2.3	62	0	51	6.7	22
JUN 24...	24	26	7.5	27	37	1.2	3.1	88	0	72	25	41
JUL 16...	40	36	10	32	34	1.2	3.8	111	0	91	37	47
AUG 20...	96	41	23	140	59	4.3	8.2	123	0	101	65	260
SEP 03...	53	39	15	61	45	2.1	4.6	130	0	107	45	110

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07381330 INTRACOASTAL WATERWAY AT HOUMA, LA (CE 76320)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
FEB 28...	113	.26	.04	.30	1.3	.160	2	1	1	0	<1	0
MAR 25...	71	.14	.03	.17	.80	.270	1	0	1	0	<1	0
APR 30...	37	.03	.01	.04	.46	.110	2	1	1	0	<1	0
MAY 20...	128	.17	.01	.18	.78	.250	3	1	2	0	<1	0
JUN 24...	36	.29	.05	.34	.76	.180	3	1	2	0	<1	0
JUL 16...	71	1.1	.00	1.1	1.4	.150	3	1	2	0	<1	0
AUG 20...	47	.56	.01	.57	1.0	.160	2	0	2	0	<1	1
SEP 03...	44	.45	.02	.47	1.1	.120	3	1	2	0	<1	1

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
FEB 28...	--	<1	0	0	9	4	5	40	11	11	0	.0
MAR 25...	--	<1	0	0	6	3	3	40	6	6	0	.0
APR 30...	--	<1	0	0	6	3	3	140	4	3	1	.0
MAY 20...	0	0	0	0	8	6	2	130	9	9	0	.1
JUN 24...	--	<1	0	0	11	6	5	30	6	6	0	.0
JUL 16...	--	<1	10	0	9	6	3	10	25	25	0	.1
AUG 20...	0	1	40	0	8	6	2	10	8	8	0	.1
SEP 03...	0	1	20	0	11	10	1	10	3	3	0	.1

DATE	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
FEB 28...	.0	.0	6	6	0	0	0	0	.0	40	30	7
MAR 25...	.0	.0	5	3	2	0	0	0	.0	20	20	<3
APR 30...	.0	.0	6	1	5	0	0	0	.0	10	10	<3
MAY 20...	.1	.0	13	11	2	0	0	0	1.0	20	20	<3
JUN 24...	.0	.0	12	9	3	0	0	0	1.0	40	40	<3
JUL 16...	.1	.0	6	6	0	0	0	0	1.0	40	40	<3
AUG 20...	.1	.0	11	8	3	0	0	0	--	180	180	<3
SEP 03...	.1	.0	5	1	4	0	0	0	2.0	40	40	<3

< Actual value is known to be less than the value shown.

07381330 INTRACOASTAL WATERWAY AT HOUMA, LA (CE 76320)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB											
20...	12	.00	4	0	.0	.00	.000	.0	.000	.000	.000
MAR											
25...	12	.01	2	0	.0	.00	.000	.0	.000	.000	.000
APR											
30...	12	.00	4	1	.0	.00	.000	.0	.000	.000	.000
MAY											
20...	12	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JUN											
24...	13	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JUL											
16...	8.8	.00	2	0	.0	.00	.000	.0	.000	.000	.000
AUG											
20...	10	.00	2	0	.0	.00	.000	.0	.000	.000	.000
SEP											
03...	9.3	.01	2	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
FEB											
20...	.04	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
25...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
30...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
24...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
16...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
20...	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
03...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
FEB											
20...	.00	.00	.00	.00	.0	.00	.03	.00	.01	29.2	.000
MAR											
25...	.00	.00	.00	.00	.0	.00	.03	.00	.01	49.6	.000
APR											
30...	.00	.00	.00	.00	.0	.00	.11	.00	.13	20.4	.000
MAY											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.09	10.4	.000
JUN											
24...	.00	.00	.00	.00	.0	.00	.00	.00	.01	23.5	.000
JUL											
16...	.00	.00	.00	.00	.0	.00	.00	.00	.01	18.1	.340
AUG											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	35.8	.000
SEP											
03...	.00	.00	.00	.00	.0	.00	.02	.00	.00	41.2	2.28

07381320 BAYOU TERREBONNE AT HOUMA, LA (CE 76270)

LOCATION.--Lat 29°36'00", long 90°43'00", T.17 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, at Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1956, 1959, 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1978, March 1980 to September 1980.
CHLORIDE: October 1974 to November 1978, January 1980 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 31.0°C several days during summer of 1977, 1978 and 1980; minimum daily, 6.0°C Jan. 19, 1977.
CHLORIDE: Maximum daily, 8,000 mg/L Aug. 13, 1980; minimum daily, 10 mg/L Nov. 13-17, 1976, Nov. 9, 1978, Apr. 5, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 31.0°C several days during July, August and September; minimum daily, 10.0°C Mar. 3.
CHLORIDE: Maximum daily, 8,000 mg/L Aug. 13; minimum daily, 10 mg/L Apr. 5.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	19.0	22.0	27.0	30.0	29.0	31.0
2						---	20.0	23.0	27.0	30.0	29.0	31.0
3						10.0	19.0	24.0	28.0	30.0	29.0	31.0
4						12.0	20.0	24.0	28.0	30.0	30.0	31.0
5						13.0	20.0	24.0	27.0	28.0	30.0	31.0
6						13.0	21.0	26.0	28.0	30.0	30.0	31.0
7						14.0	20.0	---	29.0	31.0	30.0	31.0
8						14.0	21.0	26.0	29.0	31.0	30.0	31.0
9						17.0	21.0	26.0	29.0	31.0	30.0	31.0
10						18.0	22.0	25.0	29.0	31.0	30.0	31.0
11						19.0	22.0	25.0	28.0	31.0	30.0	31.0
12						18.0	21.0	25.0	29.0	31.0	30.0	31.0
13						19.0	19.0	26.0	29.0	31.0	30.0	30.0
14						19.0	19.0	25.0	29.0	31.0	30.0	30.0
15						19.0	19.0	---	29.0	31.0	---	30.0
16						19.0	---	22.0	29.0	31.0	---	30.0
17						19.0	---	22.0	29.0	31.0	---	30.0
18						19.0	---	23.0	---	31.0	---	30.0
19						18.0	---	24.0	---	31.0	---	30.0
20						18.0	---	24.0	---	31.0	---	30.0
21						---	---	24.0	---	31.0	---	30.0
22						---	---	24.0	---	31.0	31.0	30.0
23						---	---	25.0	---	31.0	31.0	30.0
24						---	---	---	---	31.0	31.0	30.0
25						18.0	---	26.0	29.0	31.0	31.0	---
26						---	---	27.0	30.0	31.0	31.0	---
27						17.0	---	26.0	29.0	31.0	31.0	---
28						18.0	---	27.0	29.0	31.0	31.0	---
29						19.0	---	27.0	30.0	31.0	31.0	---
30						18.0	21.0	27.0	29.0	29.0	31.0	31.0
31						18.0	---	27.0	---	29.0	31.0	---

07381320 BAYOU TERREBONNE AT HOUMA, LA (CE 76270)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				---	40	---	15	21	20	45	70	120
2				---	45	---	15	21	20	48	60	60
3				---	40	45	30	20	20	47	60	70
4				---	45	50	15	21	25	45	60	110
5				---	45	50	10	19	25	46	50	110
6				---	35	45	15	19	20	47	60	180
7				---	55	45	15	---	20	40	50	280
8				---	55	45	15	18	25	---	50	460
9				---	45	45	15	20	20	---	70	340
10				---	50	40	25	25	25	---	720	130
11				---	45	50	75	20	25	---	3100	---
12				---	45	45	25	41	30	---	5400	120
13				---	---	50	25	20	25	---	8000	150
14				---	50	45	20	35	25	---	5700	140
15				---	---	45	21	---	25	---	---	110
16				---	45	45	---	15	25	---	---	110
17				---	40	40	---	15	40	---	---	140
18				---	45	45	---	15	---	---	---	130
19				---	45	55	---	20	---	---	---	140
20				---	40	45	---	20	---	---	---	110
21				---	---	---	---	15	---	---	---	120
22				---	---	---	---	20	---	---	190	120
23				---	45	---	---	25	---	---	190	110
24				---	---	---	---	---	---	---	140	---
25				---	---	45	---	25	36	---	150	---
26				45	---	---	---	20	49	---	150	---
27				50	---	40	---	25	37	---	140	---
28				45	---	---	---	20	39	---	110	---
29				55	---	35	---	20	33	---	70	140
30				45	---	15	20	25	43	70	50	100
31				35	---	15	---	20	---	70	60	---

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°34'00", long 90°42'55", T.17 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, near center of span on downstream side of bridge on State Highway 661 in Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978, October 1979 to June 1980.
WATER TEMPERATURES: April 1978 to September 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 26,000 micromhos Aug. 29, 1978; minimum daily, 152 micromhos Apr. 25, 26, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 588 micromhos Nov. 9; minimum daily, 152 micromhos Apr. 25, 26.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
OCT											
10...	0900	360	7.2	23.5	10	46	7.6	3.1	<4	100	120
NOV											
28...	1300	423	7.1	17.0	15	37	8.8	2.7	400	840	120
DEC											
12...	1400	399	7.7	11.0	50	34	10.3	5.3	K50	120	130
JAN											
23...	1445	333	7.2	17.0	30	38	8.1	4.3	K340	1100	100
FEB											
05...	1730	320	7.1	13.0	80	--	11.1	4.3	620	140	97
MAR											
04...	1630	363	7.3	11.0	30	66	10.0	4.7	140	200	100
APR											
02...	1130	301	7.3	19.0	20	26	8.0	1.0	230	1600	91
MAY											
14...	1500	201	7.1	26.0	50	50	7.2	1.8	K250	880	66
JUN											
10...	1515	209	6.6	30.0	30	30	5.4	1.3	K20	K15	63
JUL											
18...	1015	362	7.0	31.0	20	33	5.6	2.1	K90	190	110
AUG											
06...	1100	394	7.2	31.0	15	19	6.2	2.9	K30	440	110
SEP											
03...	1500	536	7.1	32.0	5	--	7.5	.4	--	--	150

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
OCT											
10...	30	32	9.5	23	37	.9	3.5	108	0	89	11
NOV											
28...	28	32	10	30	44	1.2	3.6	114	0	94	15
DEC											
12...	33	34	10	30	42	1.2	3.4	113	0	93	3.6
JAN											
23...	20	27	8.4	20	29	.9	3.9	100	0	82	10
FEB											
05...	26	26	7.8	23	33	1.0	3.4	87	0	71	11
MAR											
04...	23	28	8.3	26	34	1.1	4.0	99	0	81	8.1
APR											
02...	16	24	7.6	20	31	.9	3.6	92	0	75	7.5
MAY											
14...	8	18	5.2	11	26	.6	2.7	71	0	58	9.2
JUN											
10...	8	17	5.0	15	33	.8	2.5	67	0	55	27
JUL											
18...	30	30	8.8	29	35	1.2	3.7	99	0	81	16
AUG											
06...	28	30	9.4	32	37	1.3	3.4	104	0	85	10
SEP											
03...	45	40	13	43	37	1.5	4.1	132	0	108	17

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT										
18...	38	31	.1	5.7	214	196	.29	.68	.68	.18
NOV										
28...	36	47	.2	6.7	231	222	.31	.41	.40	.19
DEC										
12...	37	41	.2	4.3	221	216	.30	.24	.23	.11
JAN										
23...	29	31	.1	6.0	199	175	.27	.36	.36	.10
FEB										
05...	23	36	.1	6.1	184	169	.25	.50	.49	.11
MAR										
04...	23	46	.1	4.6	197	189	.27	.19	--	.24
APR										
02...	25	29	.1	2.5	186	157	.25	.19	.19	.15
MAY										
14...	11	15	.2	4.4	121	103	.16	.23	.26	--
JUN										
10...	11	21	.1	4.1	127	109	.17	.17	.13	.06
JUL										
18...	27	39	.4	6.6	211	194	.29	.65	.64	.07
AUG										
06...	28	46	.4	5.5	224	206	.30	.29	.06	.09
SEP										
03...	60	62	.3	1.6	310	290	.42	.50	.50	.02

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
OCT										
18...	.01	.22	.01	1.0	.88	1.2	.31	.89	1.9	1.6
NOV										
28...	.10	.23	.13	1.1	.79	1.3	.41	.89	1.7	1.3
DEC										
12...	.04	.13	.05	1.3	1.2	1.4	.20	1.2	1.6	1.4
JAN										
23...	.05	.12	.08	1.6	.52	1.7	1.1	.58	2.1	.94
FEB										
05...	.11	.13	.14	--	.55	--	--	.66	--	1.2
MAR										
04...	--	.29	--	1.3	--	1.5	.30	1.2	1.7	--
APR										
02...	.13	.18	.17	.85	.64	1.0	.23	.77	1.2	.96
MAY										
14...	.26	--	.33	--	.66	1.1	.18	.92	1.3	1.2
JUN										
10...	.00	.07	.00	1.0	1.2	1.1	--	1.2	1.3	1.3
JUL										
18...	.00	.08	.00	1.5	1.2	1.6	.40	1.2	2.3	1.8
AUG										
06...	.12	.11	.15	1.8	1.3	1.9	.50	1.4	2.2	1.5
SEP										
03...	.05	.02	.06	1.5	1.1	1.5	.30	1.2	2.0	1.7

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
OCT										
18...	8.3	.130	.40	.010	0	0	0	--	9.9	1.4
NOV										
28...	7.6	.140	.43	.040	--	--	--	8.5	--	--
DEC										
12...	7.3	.120	.37	.010	0	--	--	9.4	--	--
JAN										
23...	9.1	.100	.31	.040	0	0	0	--	10	2.6
FEB										
05...	--	--	--	.020	--	--	--	14	--	--
MAR										
04...	7.5	.140	.43	.100	0	--	--	13	--	--
APR										
02...	5.3	.180	.55	.100	0	0	0	--	11	.5
MAY										
14...	5.9	.200	.61	.070	0	--	--	16	--	--
JUN										
10...	5.6	.180	.55	.030	--	--	--	--	9.6	2.7
JUL										
18...	10	.210	.64	.140	0	0	0	--	11	1.0
AUG										
06...	9.7	.170	.52	.080	1	--	--	17	--	--
SEP										
03...	8.9	.100	.31	.130	--	--	--	8.8	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
OCT										
18...	3	1	2	200	110	90	1	0	1	0
JAN										
23...	2	1	1	100	0	100	0	--	1	0
APR										
02...	2	1	1	200	120	80	1	0	1	0
JUL										
18...	4	0	4	200	110	90	0	--	<1	20

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)
OCT										
18...	0	0	2	--	3	2	1	1	2000	2000
JAN										
23...	0	0	0	0	0	6	3	3	1200	1200
APR										
02...	0	0	3	0	3	9	0	9	1600	1600
JUL										
18...	20	0	4	--	<3	11	7	4	1400	1400

< Actual value is known to be less than the value shown.

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
OCT										
18...	10	44	44	0	150	140	9	.2	.2	.0
JAN										
23...	30	6	4	2	110	100	10	.2	.2	.0
APR										
02...	40	11	11	0	80	70	6	.0	.0	.0
JUL										
18...	10	8	8	0	110	110	<1	.0	.0	.0

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT									
18...	6	6	0	0	0	0	40	30	8
JAN									
23...	9	6	3	0	0	0	30	20	10
APR									
02...	4	3	1	0	0	0	40	30	10
JUL									
18...	5	3	2	0	0	0	50	50	5

DATE	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
18...	--	110	91
NOV			
28...	460000	160	92
DEC			
12...	--	85	95
JAN			
23...	--	128	89
FEB			
05...	--	440	80
MAR			
04...	48000	191	93
APR			
02...	--	122	90
MAY			
14...	4300	97	90
JUN			
10...	4900	102	95
JUL			
18...	1100000	98	94
AUG			
06...	430000	83	99
SEP			
03...	--	61	93

< Actual value is known to be less than the value shown.

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	368	---	422	385	315	363	327	161	186			
2	367	474	419	380	312	353	285	159	186			
3	359	446	424	377	312	371	285	162	187			
4	362	441	421	380	315	372	274	166	187			
5	354	443	373	369	314	365	273	167	195			
6	357	422	389	385	318	363	259	175	195			
7	360	421	397	368	308	361	247	169	196			
8	358	429	393	376	326	358	240	169	209			
9	363	588	387	385	330	365	240	170	209			
10	363	429	396	383	313	362	193	178	---			
11	380	404	406	376	331	360	182	180	---			
12	377	431	389	351	332	372	220	185	---			
13	377	454	389	335	333	373	222	188	---			
14	345	477	375	335	340	370	196	190	209			
15	368	487	360	349	342	379	197	197	217			
16	386	429	372	348	341	358	169	200	218			
17	374	408	371	303	325	396	182	200	217			
18	356	420	387	331	322	388	169	200	---			
19	367	420	401	340	316	376	169	199	---			
20	374	435	386	346	334	396	169	168	---			
21	369	460	383	347	350	397	156	170	---			
22	---	468	386	357	338	400	156	174	---			
23	414	465	379	320	323	402	157	174	---			
24	366	432	394	335	326	402	156	174	---			
25	378	425	359	313	324	402	152	174	---			
26	382	409	368	314	328	374	152	---	---			
27	431	394	379	313	325	375	159	---	---			
28	404	411	395	314	331	363	159	170	---			
29	368	417	391	315	345	342	164	171	---			
30	376	417	399	316	---	318	162	181	---			
31	---	---	401	315	---	302	---	178	---			

MISSISSIPPI RIVER DELTA

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	NOV 28.79 1300	MAR 4.80 1630	MAY 14.80 1500	JUN 10.80 1515	JUL 18.80 1015	AUG 6.80 1100
TOTAL CELLS/ML	460000	48000	4300	4900	1100000	430000
DIVERSITY: DIVISION	0.1	0.7	1.7	1.1		
.CLASS	0.1	0.7	1.7	1.2	0.1	0.3
..ORDER	0.1	1.3	2.0	1.7	0.1	0.3
...FAMILY	0.2	1.4	2.6	2.1	0.3	1.0
....GENUS	0.4	2.1	3.1	3.0	1.0	1.5
					1.6	1.8

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHARACIACEAE												
....SCHROEDERIA	*	0	--	-	--	-	50	1	*	0	--	-
...COELASTRACEAE												
....COELASTRUM	--	-	--	-	--	-	--	-	--	-	3 00	1
...HYDRODICTYACEAE												
....PEDIASTRUM	--	-	--	-	280	7	--	-	--	-	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	2400	1	360	1	260	6	180	4	*	0	*	0
....CHLORELLA	*	0	--	-	--	-	50	1	--	-	--	-
....CHODATELLA	--	-	720	1	--	-	25	1	*	0	--	-
....DICTYOSPHAERIUM	--	-	--	-	--	-	180	4	--	-	--	-
....OOCYSTIS	--	-	--	-	--	-	--	-	*	0	*	0
....POLYEDRIOPSIS	--	-	--	-	--	-	--	-	*	0	--	-
....SELENASTRUM	--	-	--	-	39	1	--	-	*	0	--	-
....TETRAEDRON	*	0	--	-	--	-	50	1	--	-	*	0
....TREUBARIA	--	-	--	-	--	-	--	-	*	0	--	-
...SCENEDESMACEAE												
....ACTINASTRUM	--	-	--	-	--	-	200	4	--	-	--	-
....CRUCIGENIA	--	-	--	-	210	5	--	-	--	-	--	-
....SCENEDESMUS	--	-	2200	4	770#	18	1000#	20	*	0	*	0
....TETRASTRUM	--	-	--	-	150	4	100	2	*	0	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	--	-	720	1	*	0	--	-	*	0	--	-
...PHACOTACEAE												
....PTEROMONAS	--	-	--	-	*	0	--	-	--	-	*	0
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....CYCLOTELLA	*	0	23000#	48	390	9	500	10	*	0	6000	1
....MELOSIRA	--	-	12000#	25	440	10	1600#	33	--	-	4800	1
....STEPHANODISCUS	--	-	--	-	--	-	130	3	--	-	--	-
..PENNALES												
...FRAGILARIACEAE												
....SYNEDRA	--	-	--	-	*	0	--	-	--	-	--	-
...NAVICULACEAE												
....NAVICULA	--	-	--	-	26	1	--	-	--	-	*	0
...NITZSCHIACEAE												
....NITZSCHIA	--	-	6500	13	190	4	650	13	*	0	3100	1
.XANTHOPHYCEAE												
..HETEROCOCCALES												
...CHLOROTHECIACEAE												
....OPHIOCYTIUM	--	-	--	-	--	-	50	1	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOMONADACEAE												
....CRYPTOMONAS	--	-	--	-	--	-	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	NOV 28,79 1300		MAR 4,80 1630		MAY 14,80 1500		JUN 10,80 1515		JUL 18,80 1015		AUG 6,80 1100	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	--	-	--	-	--	-	--	-	--	-	14000	3
....ANACYSTIS	--	-	2900	6	100	2	50	1	23000	2	51000	12
..HORMOGONALES												
...NOSTOCACEAE												
....ANABAENA	--	-	--	-	--	-	100	2	140000	13	48000	11
....ANABAENOPSIS	5400	1	--	-	--	-	--	-	91000	8	--	-
...OSCILLATORIACEAE												
....LYNGBYA	--	-	--	-	--	-	--	-	81000	8	16000	4
....OSCILLATORIA	--	-	--	-	1400#	31	--	-	730000#	68	270000#	64
....SCHIZOTHRIX	430000#	94	--	-	--	-	--	-	--	-	--	-
....SPIRULINA	17000	4	--	-	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	--	-	--	-	77	2	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	*	0	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

293313090360500 BAYOU TERREBONNE NEAR BOURG, LA (CE 76403)

LOCATION.--Lat 29°33'13", long 90°36'05", T.17 S., R.18 E., Terrebonne Parish, Hydrologic Unit 08090302, at Bourg.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to November 1978, March 1980 to September 1980.
CHLORIDE-SURFACE: October 1974 to November 1978, November 1979 to September 1980.
CHLORIDE-10 FT DEPTH: October 1975 to November 1978, November 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey. Samples are collected at the water surface and at a 10-ft (3.0 m) depth.

EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 4, 5, 1978; minimum daily, 3.0°C Jan. 15, 1978.
CHLORIDE-SURFACE: Maximum observed, 7,500 mg/L Mar. 30, 1977; minimum daily, 14 mg/L May 31, 1975.
CHLORIDE-10 FT DEPTH: Maximum daily, 7,600 mg/L Apr. 19, 1976; minimum daily, 14 mg/L Mar. 5, 1978.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C several days during July and September; minimum daily, 15.0°C several days during March and April.
CHLORIDE-SURFACE: Maximum daily, 6,000 mg/L Aug. 13; minimum daily, 15 mg/L Apr. 8, May 3, 4, 5, 10, June 4.
CHLORIDE-10 FT DEPTH: Maximum daily, 6,800 mg/L Aug. 13; minimum daily, 15 mg/L Apr. 4, 9, May 9, 12, 13, 14.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						15.0	15.5	20.0	---	28.0	28.0	30.0
2						15.0	15.5	20.0	27.0	28.0	28.0	30.0
3						15.0	15.5	20.0	27.0	28.0	28.0	30.0
4						15.0	15.5	20.0	27.0	29.0	28.0	30.0
5						15.0	15.0	20.0	27.0	28.0	28.0	30.0
6						15.0	15.5	20.0	27.0	28.0	29.0	30.0
7						15.0	15.5	20.0	27.0	29.0	29.0	30.0
8						15.0	20.0	20.0	27.0	29.0	29.0	---
9						15.0	20.0	20.0	27.0	30.0	29.0	---
10						15.0	20.0	20.0	27.0	30.0	28.0	---
11						15.0	20.0	20.0	27.0	30.0	28.0	---
12						15.0	20.0	20.0	27.0	30.0	28.0	---
13						---	---	25.0	27.0	30.0	28.0	---
14						15.0	---	25.0	27.0	30.0	---	---
15						15.0	---	---	27.0	30.0	---	---
16						15.0	---	---	28.0	30.0	---	---
17						---	---	---	28.0	---	---	---
18						15.0	---	---	---	---	---	---
19						15.0	---	---	---	---	---	---
20						---	---	---	---	---	---	---
21						---	---	---	---	---	---	---
22						---	---	---	---	---	---	---
23						---	---	---	---	---	29.0	---
24						---	---	---	---	---	29.0	---
25						---	---	---	---	---	29.0	---
26						---	---	---	---	---	29.0	---
27						---	---	---	---	---	29.0	---
28						15.5	---	---	---	---	29.0	---
29						15.5	20.0	---	---	28.0	29.0	---
30						15.5	20.0	---	---	28.0	29.0	21.0
31						15.5	---	---	---	28.0	29.0	---

293313090360500 BAYOU TERREBONNE NEAR BOURG, LA (CE 76403)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SAMPLING DEPTH 5.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	52	50		---	25	20	---	43	40	170
2		---	48	50		---	20	20	20	41	46	130
3		---	50	45		---	25	15	20	43	44	230
4		---	46	45		1700	20	15	15	39	40	230
5		---	---	50		1700	20	15	19	45	80	2300
6		---	---	---		100	25	20	17	46	85	2300
7		---	---	45		130	20	20	21	50	75	750
8		---	---	45		100	15	20	29	46	400	---
9		---	---	45		50	20	20	20	45	---	---
10		---	---	40		50	30	15	30	41	---	---
11		---	---	40		50	---	20	21	46	---	---
12		---	50	45		55	30	20	26	41	500	---
13		---	48	45		60	---	25	26	48	6000	---
14		---	52	45		65	---	20	24	49	---	---
15		---	---	45		55	---	---	24	49	---	---
16		---	---	40		50	---	---	27	44	---	---
17		---	---	60		50	---	---	25	---	---	---
18		---	---	45		55	---	---	---	---	---	---
19		---	45	45		50	---	---	---	---	---	---
20		---	45	45		---	---	---	---	---	---	---
21		---	45	---		---	---	---	---	---	---	---
22		---	45	40		---	---	---	---	---	---	---
23		---	45	45		---	---	---	---	---	1200	---
24		---	50	45		---	---	---	---	---	2700	---
25		---	50	45		---	---	---	---	---	750	---
26		---	45	55		---	---	---	---	---	1200	---
27		52	---	55		---	---	---	---	---	---	---
28		50	---	55		50	---	---	---	---	300	---
29		58	50	50		50	30	---	---	50	250	---
30		56	50	---		50	25	---	---	---	200	1500
31		---	50	---		35	---	---	---	43	200	---

SAMPLING DEPTH 10.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	48	50		---	55	20	---	41	40	170
2		---	48	50		---	20	20	20	39	45	170
3		---	50	55		---	20	20	25	40	35	230
4		---	46	55		1700	15	20	21	42	50	210
5		---	---	55		1600	25	20	20	46	80	2300
6		---	---	45		130	20	20	20	50	80	2300
7		---	---	50		130	20	20	16	45	---	800
8		---	---	45		100	20	20	24	46	420	---
9		---	---	45		55	15	15	21	44	400	---
10		---	---	45		45	20	20	25	41	1500	---
11		---	44	50		50	25	20	24	47	2300	---
12		---	48	50		75	25	15	22	50	---	---
13		---	48	45		60	---	15	25	47	6800	---
14		---	---	50		55	---	15	26	48	---	---
15		---	---	50		50	---	---	24	49	---	---
16		---	---	45		45	---	---	21	43	---	---
17		---	---	60		50	---	---	---	---	---	---
18		---	---	45		55	---	---	---	---	---	---
19		---	40	40		40	---	---	---	---	---	---
20		---	50	45		---	---	---	---	---	---	---
21		---	40	---		---	---	---	---	---	---	---
22		---	45	40		---	---	---	---	---	---	---
23		---	50	40		---	---	---	---	---	1200	---
24		---	55	40		---	---	---	---	---	2700	---
25		---	45	40		---	---	---	---	---	750	---
26		---	---	65		---	---	---	---	---	1200	---
27		52	---	45		---	---	---	---	---	350	---
28		50	---	55		50	---	---	---	---	350	---
29		56	50	45		50	20	---	---	90	250	---
30		52	50	---		45	25	---	---	---	200	1640
31		---	---	---		35	---	---	---	97	200	---

292700090420000 BAYOU GRAND CAILLOU NEAR DULAC, LA (CE 76323)

LOCATION.--Lat 29°27'00", long 90°42'00", T.19 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, 4.0 mi (6.4 km) north of Dulac.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1977 to November 1978, March 1980 to September 1980.
CHLORIDE: October 1974 to November 1978, November 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 36.0°C Oct. 10, Nov. 1, 8, 17, 1977, May 25, July 1, 1978; minimum daily, 9.0°C Mar. 1, 1980.
CHLORIDE: Maximum daily, 18,000 mg/L Nov. 2, 1974; minimum daily, 14 mg/L Aug. 6, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C several days during July and August; minimum daily, 9.0°C Mar. 1.
CHLORIDE: Maximum daily, 9,600 mg/L Aug. 9, 10, 11; minimum daily, 20 mg/L Apr. 25, May 3, 4, 6, 7, 8, 10, 11, 12.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						9.0	19.0	21.0	27.0	32.0	32.0	30.0
2						---	17.0	23.0	28.0	32.0	32.0	30.0
3						10.0	22.0	23.0	29.0	32.0	32.0	30.0
4						12.0	15.0	23.0	27.0	32.0	32.0	30.0
5						13.0	18.0	22.0	27.0	32.0	32.0	30.0
6						15.0	21.0	23.0	28.0	32.0	32.0	30.0
7						18.0	20.0	24.0	29.0	32.0	32.0	30.0
8						19.0	21.0	25.0	30.0	32.0	31.0	30.0
9						22.0	16.0	24.0	30.0	32.0	31.0	30.0
10						21.0	19.0	24.0	29.0	32.0	31.0	30.0
11						20.0	21.0	25.0	29.0	32.0	31.0	30.0
12						20.0	21.0	25.0	27.0	32.0	31.0	30.0
13						21.0	---	25.0	26.0	32.0	31.0	29.0
14						18.0	16.0	25.0	28.0	32.0	29.0	29.0
15						17.0	16.0	25.0	30.0	32.0	29.0	29.0
16						21.0	18.0	25.0	28.0	32.0	29.0	29.0
17						20.0	19.0	24.0	29.0	32.0	29.0	29.0
18						18.0	19.0	20.0	31.0	32.0	29.0	29.0
19						15.0	18.0	22.0	29.0	32.0	29.0	29.0
20						20.0	19.0	23.0	30.0	32.0	29.0	29.0
21						17.0	20.0	24.0	26.0	32.0	29.0	29.0
22						16.0	20.0	25.0	25.0	32.0	29.0	29.0
23						21.0	21.0	28.0	29.0	32.0	31.0	29.0
24						19.0	22.0	26.0	28.0	32.0	29.0	---
25						17.0	23.0	28.0	30.0	27.0	30.0	29.0
26						16.0	18.0	25.0	31.0	27.0	32.0	29.0
27						16.0	19.0	27.0	30.0	27.0	30.0	29.0
28						17.0	20.0	27.0	27.0	29.0	31.0	29.0
29						15.0	21.0	27.0	29.0	29.0	29.0	29.0
30						13.0	21.0	---	31.0	30.0	29.0	29.0
31						17.0	---	27.0	---	30.0	30.0	---

292700090420000 BAYOU GRAND CAILLOU NEAR DULAC, LA (CE 76323)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	---	58	72	80	65	25	28	45	---	2900
2		---	---	58	55	75	40	25	27	49	---	2900
3		---	---	58	55	75	45	20	24	48	9300	3000
4		---	---	58	60	85	40	20	27	49	9300	2800
5		---	---	58	55	65	40	25	29	45	150	3300
6		---	---	56	90	340	40	20	25	49	9400	2800
7		---	---	56	90	360	40	20	37	46	9400	2700
8		---	---	58	110	240	40	20	28	45	9500	2900
9		---	---	60	90	85	45	25	25	50	9600	600
10		---	70	58	160	85	50	20	25	50	9600	600
11		---	65	62	170	80	45	20	27	46	9600	500
12		---	60	78	120	85	35	20	26	50	8000	600
13		---	65	68	100	80	40	25	25	46	8000	530
14		---	55	66	85	60	35	25	20	50	800	530
15		---	55	54	110	60	40	30	44	49	850	630
16		---	60	54	85	75	35	25	46	50	850	420
17		---	55	52	85	75	40	35	31	460	800	590
18		---	55	58	85	85	45	35	55	440	800	510
19		140	65	40	130	85	30	30	46	460	850	590
20		140	50	52	130	80	30	35	59	450	750	310
21		150	65	52	---	70	30	40	42	500	700	290
22		150	65	56	150	75	25	35	44	490	800	400
23		150	90	62	150	60	25	25	40	45	700	700
24		190	60	64	150	55	30	30	42	45	800	---
25		160	80	58	150	60	20	30	40	9500	1600	180
26		170	72	62	120	60	25	25	45	50	1600	190
27		---	68	68	85	50	25	30	50	50	1600	190
28		---	60	65	95	50	25	30	50	44	1700	190
29		---	60	60	80	50	25	30	45	9500	1600	190
30		---	68	62	---	60	25	---	45	55	2900	200
31		---	66	55	---	60	---	26	---	140	2800	---

292300090370000 BAYOU PETIT CAILLOU NEAR BOUDREAUX CANAL, NEAR DULAC, LA (CE 76303)

LOCATION.--Lat 29°23'00", long 90°37'00", T.19 S., R.18 E., Terrebonne Parish, Hydrologic Unit 08090302, 5.7 mi (9.2 km) east of Dulac.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to November 1978, November 1979 to September 1980.
CHLORIDE: October 1974 to November 1978, November 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 33.0°C June 3, July 4, 31, 1977; minimum daily, 3.5°C Jan. 20, 1977.
CHLORIDE: Maximum daily, 9,500 mg/L Nov. 1, 1974; minimum daily, 12 mg/L Aug. 2, 12, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C several days during July; minimum daily, 10.0°C Dec. 4, 18, Feb. 2.
CHLORIDE: Maximum daily, 6,000 mg/L Dec. 23, Aug. 9; minimum daily, 15 mg/L Apr. 20, May 18, 21, 24.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	13.0	12.0	10.5	12.0	18.0	22.0	28.0	---	28.0	26.0
2		---	11.0	11.0	10.0	12.0	19.0	23.0	28.0	30.0	28.0	26.0
3		---	11.0	12.0	---	12.0	19.0	24.0	28.0	30.0	27.0	26.0
4		---	10.0	13.0	13.0	14.0	19.0	23.0	28.0	30.0	27.0	26.0
5		---	11.0	13.0	13.0	13.0	19.0	23.0	28.0	30.0	27.0	26.0
6		---	14.0	14.0	13.0	14.0	19.0	23.0	28.0	30.0	27.0	27.0
7		---	13.0	14.0	13.0	16.0	19.0	24.0	28.0	30.0	27.0	27.0
8		---	13.0	15.0	13.0	16.0	19.0	24.0	28.0	30.0	27.0	27.0
9		---	12.0	16.0	13.0	15.0	19.0	24.0	27.0	30.0	27.0	27.0
10		---	12.0	16.0	13.0	15.0	20.0	24.0	26.0	30.0	27.0	29.0
11		---	15.0	18.0	13.0	15.0	20.0	24.0	27.0	30.0	27.0	29.0
12		---	17.0	16.0	13.0	14.0	20.0	24.0	28.0	30.0	27.0	29.0
13		---	17.0	16.0	13.0	17.0	20.0	24.0	28.0	30.0	28.0	30.0
14		---	16.0	17.0	13.0	17.0	17.0	24.0	28.0	30.0	28.0	30.0
15		---	15.0	17.0	13.0	17.0	17.0	24.0	28.0	30.0	28.0	30.0
16		---	16.0	18.0	13.0	17.0	16.0	22.0	28.0	30.0	28.0	30.0
17		---	13.0	18.0	13.0	17.0	---	22.0	27.0	30.0	28.0	30.0
18		---	10.0	18.0	13.0	17.0	19.0	22.0	27.0	30.0	28.0	30.0
19		---	---	18.0	13.0	17.0	19.0	22.0	26.0	30.0	28.0	---
20		---	13.0	18.0	13.0	17.0	19.0	23.0	26.0	30.0	28.0	---
21		---	15.0	18.0	13.0	17.0	20.0	23.0	26.0	30.0	28.0	---
22		---	16.0	19.0	13.0	17.0	21.0	22.0	26.0	27.0	28.0	---
23		---	17.0	17.0	13.0	17.0	23.0	24.0	28.0	27.0	28.0	---
24		---	17.0	15.0	13.0	17.0	23.0	25.0	29.0	27.0	28.0	---
25		---	14.0	16.0	12.0	17.0	23.0	27.0	29.0	30.0	27.0	---
26		---	14.0	17.0	12.0	17.0	24.0	27.0	29.0	30.0	27.0	---
27		---	13.0	16.0	12.0	17.0	22.0	26.0	29.0	30.0	27.0	---
28		18.0	13.0	14.0	12.0	---	22.0	27.0	---	30.0	27.0	---
29		15.0	15.0	13.0	12.0	---	22.0	26.0	---	---	27.0	---
30		12.0	14.0	15.0	---	---	21.0	---	---	---	27.0	27.0
31		---	12.0	15.0	---	---	---	---	---	---	27.0	---

292300090370000 BAYOU PETIT CAILLOU NEAR BOUDREAUX CANAL, NEAR DULAC, LA (CE 76303)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	1400	1100	160	3300	50	400	91	---	2400	5700
2		---	1200	1300	480	1000	200	400	91	870	2100	5900
3		---	1600	1500	---	2200	100	100	240	930	2100	4400
4		---	2200	1500	700	1600	50	50	240	750	3200	4800
5		---	3300	1100	800	2900	140	65	76	720	2600	3400
6		---	3700	3100	550	1700	90	35	79	900	2100	3000
7		---	4800	2500	300	2000	90	120	240	900	2200	3400
8		---	1900	1300	1100	2800	85	180	240	1100	3200	3400
9		---	2000	1100	850	2000	180	1700	320	1100	6800	3100
10		---	1500	1000	850	2000	710	1500	320	810	6500	3100
11		---	1600	1500	900	1400	850	550	310	870	6600	2900
12		---	1700	200	950	2400	2500	700	670	640	4000	3500
13		---	2300	150	950	2400	2700	700	750	640	4000	4500
14		---	1600	250	1400	1300	100	300	690	670	4000	4700
15		---	2200	500	1400	5300	50	250	750	580	4000	4800
16		---	1600	300	3100	5600	20	50	720	620	3900	4500
17		---	1900	500	1500	6300	25	35	---	640	4000	3900
18		---	1800	400	1900	1800	40	15	---	1400	4200	3800
19		---	2000	500	5900	2500	70	25	260	1500	4000	---
20		---	2200	850	3000	650	15	60	230	2200	3800	---
21		---	2300	1000	2500	1700	20	15	240	2200	3900	---
22		---	2300	350	2500	1700	25	20	440	2200	4100	---
23		---	6800	250	1800	1500	50	20	550	1400	3700	---
24		---	6400	100	850	2800	55	15	500	1500	4000	---
25		---	700	160	900	2100	200	50	440	1500	3900	---
26		---	750	220	1300	2400	260	50	640	2200	4900	---
27		2600	2000	320	1400	---	240	170	550	2200	5000	---
28		1800	1000	340	1500	---	210	220	---	750	4800	---
29		1500	1300	490	3700	---	230	210	---	---	5200	---
30		1300	1100	400	---	---	470	---	---	---	4500	4200
31		---	1200	500	---	---	---	---	---	---	4600	---

MISSISSIPPI RIVER DELTA

07381?27 HOUMA NAVIGATION CANAL AT CROZIER, LA (CE 76343)

LOCATION.--Lat 29°32'22", long 90°42'16", in lot 15, T.8 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, on right bank of canal, 0.8 mi (1.3 km) east of Crozier.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1966, 1975, 1976 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1978.
CHLORIDE: October 1974 to September 1975, October 1976 to October 1978, November 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 31.0°C June 8-13, Oct. 1, 2, 3, 1977; minimum daily, 7.0°C Jan. 20, 21, 22, 23, 1978.
CHLORIDE: Maximum daily, 10,000 mg/L Aug. 1, 12, 1980; minimum daily, 15 mg/L Apr. 25, 30, May 5, 11, 14, 31, 1980.

EXTREMES FOR CURRENT YEAR.--
CHLORIDE: Maximum daily, 10,000 mg/L Aug. 1, 12; minimum daily, 15 mg/L Apr. 25, 30, May 5, 11, 14, 31.

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	50	45	---	---	---	20	30	100	10000	
2		---	65	45	---	---	20	20	81	110	---	
3		---	60	45	---	---	35	20	140	---	35	
4		---	---	45	---	---	30	25	---	60	---	
5		---	55	50	---	45	35	15	120	69	81	
6		---	55	45	40	45	30	20	110	56	74	
7		---	---	45	50	45	35	---	110	85	---	
8		---	---	55	45	45	30	25	190	55	---	
9		---	---	50	50	45	---	25	26	45	550	
10		---	---	45	40	45	30	20	30	---	7900	
11		---	---	45	40	45	30	15	22	---	---	
12		---	55	50	45	---	25	25	---	---	10000	
13		---	45	55	---	40	20	25	---	45	5800	
14		---	50	55	45	50	20	15	26	45	2000	
15		---	40	55	45	50	30	---	25	46	700	
16		50	35	---	45	50	25	---	25	51	---	
17		50	35	---	40	45	---	20	29	39	---	
18		50	40	---	55	40	---	20	30	---	---	
19		60	---	---	45	45	30	20	30	---	---	
20		55	55	---	45	---	---	20	26	---	140	
21		55	45	---	---	---	25	20	---	---	210	
22		60	40	50	---	40	20	20	---	---	---	
23		50	35	40	45	40	20	25	---	---	---	
24		45	35	45	45	---	20	---	---	---	---	
25		45	35	---	45	---	15	---	40	---	---	
26		45	40	45	55	---	---	---	41	---	---	
27		60	---	45	50	---	---	---	40	---	---	
28		60	---	50	50	---	---	25	40	---	---	
29		60	45	45	---	---	---	20	41	---	---	
30		---	50	45	---	---	15	25	---	---	---	
31		---	45	50	---	---	---	15	---	---	---	

292345090504500 LAKE DE CADE NEAR THERIOT, LA (CE 91905)

LOCATION.--Lat 29°23'45", long 90°50'45", in SW¼NE¼ sec.29, T.19 S., R.16 E., Terrebonne Parish, Hydrologic Unit 08090302, 7.3 mi (11.8 km) southwest of Theriot.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)
FEB 28...	1300	1760	7.8	30	65	<1.0	9.4	46	.9	<10	K12	210
MAR 25...	1245	1070	7.9	20	55	<1.0	10.2	31	2.5	K70	<5	170
APR 30...	1055	476	7.6	50	10	<1.0	8.1	34	--	K12	K10	79
MAY 20...	1237	376	7.5	40	20	<1.0	8.9	36	2.1	K170	K17	65
JUN 24...	1245	369	7.3	20	10	<1.0	7.3	31	1.9	K4	<2	72
JUL 16...	1300	776	8.3	30	6	<1.0	8.2	49	6.1	<5	<5	120
AUG 20...	1410	4400	8.1	30	7	<1.0	9.4	78	2.6	K120	K12	500
SEP 03...	1310	5560	7.0	20	2	<1.0	6.5	20	1.9	<4	<2	630

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB 28...	140	31	33	250	70	7.5	12	95	0	78	77	460
MAR 25...	84	31	22	140	63	4.7	8.3	103	0	84	56	240
APR 30...	24	15	10	65	63	3.2	4.5	67	0	55	21	110
MAY 20...	19	13	7.9	48	60	2.6	3.3	56	0	46	16	76
JUN 24...	13	16	7.9	40	53	2.0	3.3	72	0	59	12	63
JUL 16...	41	23	16	100	62	3.9	7.2	100	0	82	30	170
AUG 20...	410	55	89	710	74	14	33	114	0	94	180	1300
SEP 03...	540	71	110	900	74	16	34	114	0	94	240	1800

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

292345090504500 LAKE DE CADE NEAR THERIOT, LA (CE 9190S)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB 28...	89	.34	.04	.38	1.1	.070	1	1	0	0	--	<1
MAR 25...	94	.24	.03	.27	1.0	.260	1	0	1	0	--	<1
APR 30...	25	.00	.01	.01	.70	.050	1	0	1	0	--	<1
MAY 20...	26	.06	.02	.08	1.9	.090	2	1	1	0	--	<1
JUN 24...	8	.09	.00	.09	1.1	.060	2	0	2	0	--	<1
JUL 16...	87	.00	.00	.08	1.2	.170	4	1	3	0	--	<1
AUG 20...	7	.40	.00	.40	1.3	.060	1	0	1	0	0	0
SEP 03...	22	.05	.01	.06	1.3	.080	1	1	0	0	0	0

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB 28...	0	--	<1	0	0	6	6	0	20	10	10	0
MAR 25...	1	0	1	20	2	5	2	3	30	8	8	0
APR 30...	0	--	<1	10	0	5	2	3	80	4	2	2
MAY 20...	0	0	0	0	0	6	4	2	80	6	6	0
JUN 24...	0	--	<1	10	0	4	1	3	20	2	2	0
JUL 16...	0	--	<1	0	0	6	5	1	10	9	9	0
AUG 20...	1	1	0	20	0	5	4	1	10	3	3	0
SEP 03...	1	0	1	20	0	80	79	1	20	23	23	0

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
FEB 28...	.0	--	.1	3	3	0	0	0	0	--	20	20
MAR 25...	.1	.1	.0	6	5	1	0	0	0	--	30	30
APR 30...	.1	.1	.0	5	0	5	0	0	0	--	20	20
MAY 20...	.1	.1	.0	8	4	4	0	0	0	.0	10	10
JUN 24...	.0	.0	.0	6	3	3	0	0	0	.0	20	20
JUL 16...	.1	.1	.0	6	5	1	1	1	0	--	20	20
AUG 20...	.0	.0	.0	5	3	2	0	0	0	--	40	30
SEP 03...	.1	.1	.0	12	9	3	0	0	0	--	320	310

< Actual value is known to be less than the value shown.

292345090504500 LAKE DE CADE NEAR THERIOT, LA (CE 91905)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB 28...	4	12	.00	1	0	.0	.00	.000	.0	.000	.000	.000
MAR 25...	<3	13	.01	4	0	.0	.00	.000	.0	.000	.000	.000
APR 30...	5	13	.00	0	1	.0	.00	.000	.0	.000	.000	.000
MAY 20...	<3	13	.00	4	0	.0	.00	.000	.0	.000	.000	.000
JUN 24...	<3	15	.00	3	1	.0	.00	.000	.0	.000	.000	.000
JUL 16...	<3	17	.00	4	0	.0	.00	.000	.0	.000	.000	.000
AUG 20...	10	18	.00	1	0	.0	.00	.000	.0	.000	.000	.000
SEP 03...	10	14	.01	3	1	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB 28...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 30...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 24...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 16...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 03...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB 28...	.00	.00	.00	.00	.0	.00	.00	.00	.00	12.0	.000
MAR 25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	46.5	.000
APR 30...	.00	.00	.00	.00	.0	.00	.17	.00	.01	12.4	.000
MAY 20...	.00	.00	.00	.00	.0	.00	.04	.00	.04	10.5	.000
JUN 24...	.00	.00	.00	.00	.0	.00	13	.00	.05	13.6	.000
JUL 16...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.23	.000
AUG 20...	.00	.00	.00	.00	.0	.00	.62	.00	.00	44.0	.000
SEP 03...	.00	.00	.00	.00	.0	.00	.13	.00	.01	45.0	.000

< Actual value is known to be less than the value shown.

07381557 CHICOT PASS AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)

LOCATION.--Lat 29°53'40", long 91°26'46", T.13 S., R.10 E., St. Mary Parish, Hydrologic Unit 08080101, at mile 95.4 (153.5 km), 5.0 mi (8.0 km) east of Charenton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 26...	1255	424	8.1	10	20	<1.0	9.7	15	1.8	6800	420	150
NOV 20...	1330	404	7.7	30	45	<1.0	10.2	21	.2	760	66	140
DEC 07...	1125	336	7.5	30	65	<1.0	10.2	19	1.4	400	K60	110
JAN 22...	1130	317	7.5	30	40	<1.0	10.4	2	--	670	K20	120
FEB 28...	1345	245	7.2	50	65	<1.0	10.2	24	1.1	460	K32	76
MAR 25...	1330	287	7.2	30	90	<1.0	10.2	21	2.1	720	K30	95
MAY 01...	1445	246	7.4	30	90	<1.0	8.1	23	1.3	K160	K40	97
20...	1400	234	7.3	60	120	<1.0	6.6	35	1.4	K220	160	76
JUN 24...	1345	435	7.0	10	150	<1.0	6.5	34	.6	560	K70	140
JUL 16...	1430	424	7.6	15	25	<1.0	6.5	16	.6	K5	K20	160
AUG 20...	1545	500	8.1	5	10	<1.0	8.0	28	.9	--	<2	180
SEP 03...	1455	607	7.2	10	35	<1.0	7.0	8	.5	K60	<2	180

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 26...	39	41	12	27	35	1.0	3.5	137	0	112	57	32
NOV 20...	33	37	11	25	36	.9	3.5	127	0	104	55	24
DEC 07...	25	29	8.4	17	33	.7	3.1	100	0	82	35	25
JAN 22...	32	31	9.2	17	24	.7	2.7	102	0	84	38	19
FEB 28...	19	21	5.6	15	29	.8	2.3	69	0	57	26	21
MAR 25...	30	26	7.2	18	29	.8	2.5	79	0	65	39	24
MAY 01...	33	26	7.7	15	25	.7	2.3	78	0	64	48	18
20...	19	21	5.7	16	31	.8	2.4	70	0	57	23	19
JUN 24...	54	38	11	30	31	1.1	3.4	105	0	86	54	41
JUL 16...	54	43	13	26	25	.9	3.6	130	0	107	56	35
AUG 20...	58	48	15	37	30	1.2	3.4	151	0	124	68	43
SEP 03...	67	44	17	49	36	1.6	4.7	138	0	113	82	66

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07381557 CHICOT PASS AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
OCT												
26...	58	.80	.02	.82	.57	.130	2	1	1	0	<1	0
NOV												
20...	80	.79	.01	.80	.59	.180	2	1	1	0	<1	0
DEC												
07...	122	.97	.23	1.2	.40	.200	2	1	1	0	<1	0
JAN												
22...	55	.96	.04	1.0	.44	.090	2	1	1	0	<1	0
FEB												
28...	60	.50	.04	.54	.35	.160	1	0	1	0	<1	0
MAR												
25...	152	.94	.06	1.0	.83	.200	2	1	1	0	<1	1
MAY												
01...	73	.95	.01	.96	1.1	.160	2	1	1	0	<1	0
20...	138	.55	.03	.58	.69	.210	3	2	1	0	<1	1
JUN												
24...	227	1.8	.02	1.8	.76	.310	3	2	1	0	<1	1
JUL												
16...	43	1.8	.00	1.8	2.3	.170	2	0	2	0	<1	0
AUG												
20...	16	.57	.01	.58	.74	.090	2	1	1	0	<1	0
SEP												
03...	--	.97	.00	.97	1.2	--	2	0	2	--	<1	--

DATE	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT												
26...	--	<1	10	0	0	0	0	10	2	2	0	.1
NOV												
20...	--	<1	0	0	2	1	1	20	4	4	0	.1
DEC												
07...	--	<1	0	0	11	8	3	50	10	7	3	.0
JAN												
22...	--	<1	10	0	4	4	0	40	5	5	0	.0
FEB												
28...	--	<1	0	0	7	7	0	80	10	10	0	.0
MAR												
25...	0	1	0	0	9	5	4	40	8	8	0	.0
MAY												
01...	--	<1	0	0	6	3	3	100	5	3	2	.0
20...	0	1	0	0	8	5	3	120	10	10	0	.0
JUN												
24...	0	1	0	0	21	17	4	20	11	11	0	.0
JUL												
16...	--	<1	0	0	8	5	3	10	8	8	0	.1
AUG												
20...	--	<1	0	0	7	6	1	10	6	6	0	.1
SEP												
03...	--	<1	--	0	--	--	3	10	--	--	0	.0

< Actual value is known to be less than the value shown.

07381557 CHICOT PASS AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 26...	.1	.0	3	1	2	0	0	0	1.0	0	--	<3
NOV 20...	.1	.0	6	4	2	0	0	0	1.0	0	--	<3
DEC 07...	.0	.0	11	11	0	0	0	0	1.0	20	10	9
JAN 22...	.0	.0	9	9	0	0	0	0	.0	20	20	<3
FEB 28...	.0	.0	10	10	0	0	0	0	.0	20	20	5
MAR 25...	.0	.0	10	8	2	0	0	0	.0	50	50	<3
MAY 01...	.0	.0	7	7	0	0	0	0	1.0	30	30	<3
20...	--	.1	13	13	0	0	0	0	1.0	30	20	10
JUN 24...	.0	.0	11	7	4	1	1	0	4.0	80	80	<3
JUL 16...	.1	.0	6	4	2	1	0	1	1.0	30	30	<3
AUG 20...	.1	.0	2	0	2	1	1	0	2.0	40	40	<3
SEP 03...	.0	.0	--	--	2	0	0	0	5.0	60	60	<3

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 26...	--	--	4	0	.0	.00	.000	.0	.000	.000	.000
NOV 20...	7.5	.00	0	0	.0	.00	.000	.0	.000	.000	.000
DEC 07...	7.1	.00	4	0	.0	.00	.000	.0	.014	.000	.014
JAN 22...	5.9	.00	3	0	.0	.00	.000	.0	.000	.000	.000
FEB 28...	8.1	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 25...	10	.01	2	0	.0	.00	.000	.0	.000	.000	.000
MAY 01...	11	.00	2	0	--	--	--	--	--	--	--
20...	8.6	.00	0	0	.0	.00	.000	.0	.004	.000	.008
JUN 24...	28	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL 16...	6.4	.00	1	0	.0	.00	.000	.0	.000	.000	.000
AUG 20...	4.6	.01	5	0	.0	.00	.000	.0	.000	.000	.000
SEP 03...	4.9	.00	1	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

07381557 CHICOT PASS AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
26...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
20...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
07...	.01	.030	.000	.004	.00	.000	.000	.000	.00	.00	.00
JAN											
22...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
28...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
25...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
01...	--	--	--	--	--	--	--	--	--	--	--
20...	.01	.004	.000	.001	.00	.000	.000	.000	.00	.00	.00
JUN											
24...	.02	.010	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
16...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
20...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
03...	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
26...	.00	.00	.00	.00	.0	.00	.02	.00	.00	6.76	.000
NOV											
20...	.00	.00	.00	.00	.0	.00	.02	.01	.00	3.79	.000
DEC											
07...	.00	.00	.00	.00	.0	.00	.02	.01	.00	5.62	.000
JAN											
22...	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.57	.000
FEB											
28...	.00	.00	.00	.00	.0	.00	--	--	--	.000	.000
MAR											
25...	.00	.00	.00	.00	.0	.00	.04	.00	.00	1.90	.000
MAY											
01...	--	--	--	--	--	--	--	--	--	3.54	.000
20...	.00	.00	.00	.00	.0	.00	.06	.00	.00	2.17	.000
JUN											
24...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.74	.000
JUL											
16...	.00	.00	.00	.00	.0	.00	.05	.02	.00	32.1	1.05
AUG											
20...	.00	.00	.00	.00	.0	.00	.01	.02	.00	14.9	.000
SEP											
03...	.00	.00	.00	.00	.0	.00	.00	.00	.00	10.3	.000

07381590 WAX LAKE OUTLET AT CALUMET, LA

LOCATION.--Lat 29°41'52", long 91°22'22", in lot 56, T.15 S., R.11 E., St. Mary Parish, Hydrologic Unit 08080101, at Southern Pacific Transportation Co. railroad bridge, 160 ft (49m) downstream from State Highway 90, 0.4 mi (0.6 km) downstream from Bayou Teche, 0.5 mi (0.8 km) west of Calumet, and 9.8 mi (15.8 km) west of Morgan City.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to June 1975 (discharge measurements only), October 1976 to current year (elevations and discharge measurements only). Gage heights, May 1942 to September 1976 and discharge, 1942-46, 1949-55, and intermittently, 1957 to current year (collected in same vicinity) are in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Relief outlet for Atchafalaya basin; discharge and elevations are affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.32 ft (2.231 m) May 4, 1979; minimum, -0.96 ft (-0.293 m) Nov. 29, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.39 ft (1.948 m) Apr. 13; minimum, 0.37 ft (0.11 m) Aug. 23.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)
Oct. 3, 1979.....	96,500	Feb. 6........	95,200	May 5	153,000	Aug. 6	58,700
Oct. 17...........	74,300	Feb. 21........	57,700	May 29	105,000	Aug. 19	46,000
Oct. 31...........	43,000	Mar. 5........	69,100	June 24	85,700	Aug. 19	48,900
Nov. 20...........	78,000	Mar. 19.........	96,600	June 24	94,800	Sept. 3	57,400
Dec. 12...........	113,000	Apr. 9........	165,000	July 9	71,300	Sept. 16	53,500
Dec. 20...........	102,000	Apr. 23........	170,000	July 22	49,300	Sept. 16	56,700
Jan. 9, 1980.....	100,000	May 5........	156,000	July 22	60,700	Sept. 30	57,500
Jan. 23...........	89,700						

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.80	1.53	2.20	2.10	2.25	1.96	4.69	5.19	3.63	2.09	1.71	1.76
2	2.92	1.65	2.18	2.27	2.68	.61	5.09	5.20	3.59	1.86	2.14	1.69
3	2.78	1.22	2.22	2.54	2.71	1.34	5.33	5.03	3.27	2.28	2.15	1.78
4	3.05	1.49	2.60	2.33	2.61	1.94	5.07	4.90	3.13	1.99	2.38	1.96
5	2.75	1.66	2.89	2.62	2.73	2.09	4.94	4.78	3.02	1.77	2.45	2.97
6	2.84	1.53	3.35	2.80	2.38	2.08	5.13	4.70	3.03	1.90	2.08	2.37
7	2.73	1.02	3.25	2.91	2.12	2.37	5.22	4.60	2.98	2.08	2.16	2.06
8	2.88	1.79	3.27	2.83	2.45	1.88	5.28	4.44	2.72	2.18	2.68	1.66
9	3.19	2.39	3.19	3.03	2.25	1.80	5.18	4.34	2.47	2.13	3.43	1.41
10	2.62	1.55	3.23	3.02	1.69	1.79	5.18	4.35	2.49	2.30	3.36	1.19
11	2.63	1.57	3.41	3.43	2.02	1.45	5.35	4.46	2.76	2.38	2.82	1.01
12	2.91	1.50	3.32	2.82	2.07	1.85	5.53	4.47	2.66	2.42	2.10	1.32
13	2.83	.94	3.37	2.95	2.04	1.63	6.39	4.31	2.90	2.40	2.22	1.82
14	2.17	1.02	3.00	2.91	2.10	1.15	5.80	3.98	3.08	2.23	2.31	1.89
15	2.62	1.19	3.02	2.75	2.34	1.78	5.65	3.74	3.17	1.60	2.13	1.83
16	2.53	1.47	3.11	2.66	2.43	2.28	5.69	4.78	2.97	1.34	2.39	2.20
17	2.47	1.64	2.76	2.54	1.62	2.59	5.68	3.83	2.87	1.65	1.91	2.49
18	2.19	1.58	2.76	2.73	2.51	1.82	5.66	3.69	2.64	1.74	1.57	1.74
19	2.30	1.92	2.82	2.67	2.89	3.14	5.56	3.41	2.56	2.01	1.74	2.09
20	2.39	1.97	2.79	2.63	2.72	3.31	5.52	3.42	2.41	1.76	1.66	2.17
21	2.37	2.14	2.82	2.63	2.55	2.81	5.48	3.03	2.35	2.24	.57	2.37
22	2.61	2.48	3.12	2.95	2.10	2.76	5.41	3.25	2.28	1.99	.86	2.42
23	1.48	1.80	3.24	2.04	1.75	3.09	5.28	3.07	2.45	2.25	1.25	1.98
24	1.94	2.07	3.49	2.28	1.61	3.40	5.25	3.24	2.64	2.14	1.65	2.23
25	2.00	2.58	2.42	2.55	1.45	3.22	5.34	3.26	2.84	2.33	2.13	2.34
26	2.16	2.51	2.50	2.68	1.01	3.56	5.57	3.23	2.55	2.57	2.19	2.01
27	2.47	2.55	2.43	2.50	1.58	3.87	5.27	3.29	2.44	2.73	1.93	2.07
28	2.43	2.40	2.37	2.55	1.39	4.38	5.18	3.60	2.85	2.67	1.70	2.23
29	2.36	2.06	2.44	2.81	1.71	4.47	5.15	3.56	2.85	1.84	1.63	2.29
30	2.71	1.98	2.32	2.80	---	4.82	5.14	3.70	2.52	1.83	1.59	2.17
31	2.65	---	2.31	2.65	---	4.60	---	3.60	---	1.78	1.62	---
MEAN	2.54	1.77	2.85	2.68	2.13	2.58	5.37	4.01	2.80	2.08	2.02	1.98
MAX	3.19	2.58	3.49	3.43	2.89	4.82	6.39	5.20	3.63	2.73	3.43	2.97
MIN	1.48	.94	2.18	2.04	1.01	.61	4.69	3.03	2.28	1.34	.57	1.01

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1959-60, 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to current year.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers station 03720.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 33.0°C July 20, 1978; minimum daily, 2.5°C Feb. 10, 11, 1978.
CHLORIDE: Maximum daily, 150 mg/L June 13, 14, 1977; minimum daily, 9.1 mg/L Apr. 15, 1976.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C Aug. 19, 20, 21; minimum daily, 6.0°C Feb. 13-20.
CHLORIDE: Maximum daily, 80 mg/L Sep. 15; minimum daily, 15 mg/L Jan. 9, Apr. 12, 20, 24.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT												
17...	1100	347	7.1	22.0	20	25	<1.0	8.8	85	2.3	1600	800
NOV												
20...	1030	402	7.7	14.5	15	40	<1.0	10.0	25	.8	330	K3800
DEC												
12...	1000	319	7.2	11.0	40	35	<1.0	10.6	39	1.8	K550	K65
JAN												
23...	1015	313	7.2	9.0	20	45	<1.0	10.3	29	2.3	540	K40
FEB												
06...	0930	279	7.4	6.5	80	85	<1.0	11.2	26	--	1400	125
MAR												
05...	1030	280	7.3	10.5	30	45	<1.0	10.3	30	2.2	K160	K650
APR												
09...	1000	233	7.2	16.0	30	70	<1.0	7.9	31	--	K35	K30
MAY												
05...	1330	246	7.4	19.5	30	60	<1.0	7.0	26	1.0	K100	<5
JUN												
11...	1100	317	6.5	27.0	30	50	<1.0	6.1	18	1.3	--	K60
JUL												
22...	1000	434	7.7	31.0	5	30	<1.0	6.6	21	2.6	K260	K40
AUG												
19...	1015	488	7.7	24.0	5	10	<1.0	7.4	14	7.2	<10	<4
SEP												
03...	1245	483	7.1	30.0	15	15	<1.0	7.5	15	1.5	K50	--

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
OCT 17...	120	32	34	8.8	18	24	.7	3.2	109	0	89	48
NOV 20...	140	34	38	11	26	36	1.0	3.7	130	0	107	53
DEC 12...	110	31	31	8.3	17	24	.7	4.5	98	0	80	40
JAN 23...	110	27	30	8.7	15	22	.6	2.8	102	0	84	36
FEB 06...	89	23	24	7.1	16	27	.7	2.6	81	0	66	30
MAR 05...	96	25	26	7.6	17	27	.8	2.4	87	0	71	35
APR 09...	80	19	22	6.2	12	24	.6	2.5	75	0	62	27
MAY 05...	93	29	25	7.3	15	25	.7	2.8	78	0	64	32
JUN 11...	95	15	27	6.8	20	31	.9	2.5	98	0	80	32
JUL 22...	150	44	41	12	27	27	1.0	3.4	132	0	108	56
AUG 19...	180	63	47	15	35	29	1.1	3.5	142	0	116	68
SEP 03...	170	60	45	15	30	27	1.0	3.4	139	0	114	79

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
OCT 17...	22	67	.83	.04	.87	1.1	.170	2	1	1	0	--
NOV 20...	25	58	.79	.00	.79	.80	.210	2	1	1	0	--
DEC 12...	22	130	.90	.03	.93	1.3	.250	2	1	1	0	--
JAN 23...	18	86	.96	.03	.99	.42	.190	2	1	1	0	--
FEB 06...	20	74	.73	.06	.79	.60	.160	--	--	1	0	--
MAR 05...	23	87	.71	.06	.77	.69	.140	2	1	1	0	--
APR 09...	18	268	.82	.04	.86	.71	.280	2	1	1	0	--
MAY 05...	17	128	.85	.02	.87	1.9	.200	2	1	1	0	--
JUN 11...	28	48	.53	.03	.56	.18	.370	2	1	1	0	--
JUL 22...	35	56	1.5	.00	1.5	1.1	.160	2	0	2	0	--
AUG 19...	46	11	.60	.03	.63	.51	.070	2	0	2	0	--
SEP 03...	29	18	.92	.01	.93	.83	.120	2	0	2	0	0

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
OCT 17...	<1	1	--	2	0	0	10	10	0	10	11	11
NOV 20...	<1	11	9	2	0	0	16	10	6	20	12	9
DEC 12...	<1	1	0	1	10	0	15	15	0	30	13	13
JAN 23...	<1	0	--	<1	10	0	8	4	4	60	5	4
FEB 06...	<1	2	1	1	10	0	10	8	2	70	6	6
MAR 05...	<1	1	0	1	10	0	10	3	7	190	6	6
APR 09...	<1	0	--	<1	0	0	21	16	5	50	14	12
MAY 05...	<1	1	0	1	20	0	15	2	13	60	8	5
JUN 11...	<1	1	0	1	0	0	11	6	5	110	4	4
JUL 22...	<1	0	--	<1	10	0	7	3	4	20	8	8
AUG 19...	<1	1	0	1	0	0	5	3	2	10	5	5
SEP 03...	0	1	0	1	0	0	9	8	1	10	3	3

DATE	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
OCT 17...	0	.1	.1	.0	4	3	1	0	0	0	1.0	20
NOV 20...	3	.1	.1	.0	4	--	5	0	0	0	1.0	20
DEC 12...	0	.1	.0	.1	7	7	0	0	0	0	1.0	50
JAN 23...	1	.0	--	.1	5	3	2	0	0	0	.0	40
FEB 06...	0	--	--	.0	4	2	2	--	--	0	1.0	20
MAR 05...	0	.2	--	.4	2	--	3	0	0	0	.0	30
APR 09...	2	.1	.1	.0	14	11	3	0	0	0	.0	40
MAY 05...	3	.0	--	.3	8	3	5	0	0	0	1.0	40
JUN 11...	0	.0	.0	.0	23	20	3	0	0	0	.0	70
JUL 22...	0	.0	.0	.0	3	0	3	1	0	1	6.0	40
AUG 19...	0	.0	.0	.0	2	0	2	0	0	0	1.0	30
SEP 03...	0	.0	.0	.0	8	5	3	1	0	1	2.0	50

< Actual value is known to be less than the value shown.

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
OCT												
17...	19	7	6.7	.00	4	0	.0	.00	.000	.0	.030	.030
NOV												
29...	10	10	7.1	.00	2	0	.0	.00	.000	.0	.030	.030
DEC												
17...	60	6	7.0	.00	1	1	.0	.00	.000	.0	.030	.000
JAN												
07...	30	10	6.6	.00	4	2	.0	.00	.000	.0	.030	.000
FEB												
06...	20	<3	9.1	.00	2	0	.0	.00	.000	.0	.000	.000
MAR												
05...	50	<3	6.0	.00	3	1	.0	.00	.000	.0	.001	.000
APR												
08...	60	6	6.6	.00	3	0	.0	.00	.000	.0	.000	.000
MAY												
05...	30	6	10	.00	0	0	.0	.00	.000	.0	.011	.000
JUN												
11...	70	6	17	.00	4	0	.0	.00	.000	.0	.030	.030
JUL												
22...	60	<3	6.6	.00	5	0	.1	.00	.000	.0	.000	.000
AUG												
19...	30	<3	6.2	.00	0	0	.0	.00	.000	.0	.000	.000
SEP												
03...	50	8	6.0	.00	0	1	.0	.00	.000	.0	.000	.000

DATE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHOXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT												
17...	.000	.36	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV												
29...	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC												
17...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN												
07...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB												
06...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR												
05...	.001	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR												
08...	.002	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY												
05...	.001	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN												
11...	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL												
22...	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG												
19...	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP												
03...	.000	.02	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
17...	.00	.00	.00	.00	.0	.00	.01	.01	.00	3.47	.000
NOV											
20...	.00	.00	.00	.00	.0	.00	.02	.01	.00	--	--
DEC											
12...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.49	.000
JAN											
23...	.00	.00	.00	.00	.0	.00	.01	.00	.00	.910	.000
FEB											
06...	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.46	.000
MAR											
05...	.00	.00	.00	.00	.0	.00	.04	.00	.00	4.10	.000
APR											
09...	.00	.00	.00	.00	.0	.00	.02	.00	.00	.800	.000
MAY											
05...	.00	.00	.00	.00	.0	.00	.04	.00	.00	1.50	.000
JUN											
11...	.00	.00	.00	.00	.0	.00	.13	.00	.00	.920	.000
JUL											
22...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.61	.000
AUG											
19...	.00	.00	.00	.00	.0	.00	.02	.02	.00	.240	.000
SEP											
03...	.00	.00	.00	.00	.0	.00	.00	.00	.00	9.22	.000

DATE	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT				
17...	74300	156	31300	96
NOV				
20...	78000	176	37100	98
DEC				
12...	113000	287	87600	89
JAN				
23...	89700	216	52300	95
FEB				
06...	95200	226	58100	98
MAR				
05...	69100	173	32300	99
APR				
09...	165000	436	194000	67
MAY				
05...	15600	294	12400	73
JUN				
24...	85700	486	112000	99
JUL				
22...	49300	177	23600	98
AUG				
19...	46000	64	7950	91
SEP				
03...	57400	111	17200	99

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.5	20.0	12.0		9.0	9.0	12.0	17.0	26.0		31.0	30.0
2	23.5	20.0	12.0		8.0	9.0	12.0	18.0	26.0		31.0	30.0
3	23.5	20.0	12.0		8.0	9.0	13.0	18.0	26.0		31.0	30.0
4	23.5	20.0	12.0		8.0	9.0	13.0	19.0	26.0		31.0	28.0
5	23.5	20.0	12.0		8.0	9.0	13.0	19.0	---		31.0	28.0
6	23.5	19.0	12.0		---	9.0	14.0	20.0	26.0		31.0	28.0
7	23.5	19.0	12.0		8.0	9.0	14.5	20.0	26.0		31.0	28.0
8	23.5	19.0	12.0		8.0	9.0	14.5	20.0	26.0		31.0	28.0
9	23.5	19.0	12.0		8.0	9.5	14.5	20.0	---		31.0	---
10	23.5	19.0	12.0		7.0	9.5	15.0	20.0	26.0		31.0	28.0
11	23.5	19.0	11.0		7.0	10.0	15.0	20.0	26.5		31.0	28.0
12	23.5	19.0	10.0		7.0	10.0	15.0	---	27.0		31.0	28.0
13	23.5	17.0	10.0		6.0	10.5	15.0	21.0	---		31.0	28.0
14	---	16.0	10.0		6.0	10.0	15.0	---	28.0		31.0	28.0
15	23.5	15.0	10.0		6.0	11.0	15.0	22.0	28.0		31.0	28.0
16	23.5	15.0	10.0		6.0	11.0	15.0	22.0	28.0		31.0	28.0
17	---	15.0	10.0		6.0	11.0	15.0	22.0	28.0		31.0	28.0
18	23.5	15.0	9.0		6.0	11.0	15.0	23.0	28.0		31.0	28.0
19	23.5	15.0	9.0		6.0	11.0	15.0	23.0	28.0		32.0	28.0
20	22.0	14.0	9.0		6.0	11.0	15.0	23.0	28.0		32.0	28.0
21	22.0	14.0	9.0		---	11.0	15.0	23.0	28.0		32.0	28.0
22	21.0	14.0	9.5		---	11.0	15.0	23.0	28.0		31.0	28.0
23	21.0	14.0	---		---	---	15.0	23.0	28.0		---	28.0
24	21.0	13.0	9.5		---	11.0	15.0	23.0	28.0		31.0	28.0
25	20.0	12.0	9.5		---	11.0	15.0	23.0	28.0		31.0	28.0
26	19.0	12.0	9.5		---	11.0	15.0	23.0	28.0		31.0	28.0
27	19.0	12.0	9.5		---	12.0	15.0	24.0	28.0		31.0	28.0
28	19.0	12.0	9.5		---	12.0	17.0	25.0	28.0		31.0	28.0
29	19.0	12.0	9.5		---	12.0	17.0	---	28.0		31.0	28.0
30	20.0	12.0	9.5		---	---	17.0	---	---		31.0	28.0
31	20.0	---	9.5		---	12.0	---	---	---		31.0	---

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	32	44	---	25	25	20	20	35	56	45	36
2	28	30	32	30	22	25	20	20	20	54	40	34
3	24	32	36	25	22	25	20	20	20	51	35	30
4	20	36	32	25	20	25	20	20	25	46	35	35
5	30	46	30	25	30	30	20	20	---	44	40	30
6	22	46	30	25	25	30	20	20	20	41	37	40
7	30	34	30	20	25	30	20	25	25	39	34	40
8	30	30	30	---	30	35	20	20	25	35	39	35
9	28	36	25	15	20	25	20	20	---	44	39	---
10	22	32	40	25	30	35	20	25	30	33	37	40
11	36	34	25	20	30	35	20	25	30	33	40	40
12	24	34	25	20	30	30	15	---	30	35	40	45
13	32	38	25	25	25	30	20	25	---	35	37	50
14	---	38	30	20	25	35	20	---	32	36	39	50
15	36	36	30	25	30	35	20	25	33	31	49	80
16	28	38	35	---	25	35	20	20	31	34	37	75
17	---	38	30	25	25	35	20	25	51	34	44	70
18	30	28	35	25	30	35	25	20	70	36	45	45
19	24	46	25	25	25	35	25	20	56	30	40	65
20	26	---	25	25	30	30	15	25	95	36	40	60
21	38	36	30	25	---	30	25	20	42	34	44	40
22	24	30	25	20	---	30	25	25	44	32	41	55
23	26	32	---	25	---	---	20	20	59	33	---	30
24	28	28	30	---	---	25	15	20	44	35	45	60
25	34	34	25	20	---	25	20	25	54	41	45	50
26	28	38	30	30	---	25	20	25	59	64	37	50
27	30	32	30	25	30	25	20	25	58	---	39	50
28	36	36	25	20	25	20	25	30	64	---	40	45
29	28	40	30	25	30	25	20	---	71	---	37	55
30	30	38	25	25	---	---	25	---	---	---	39	35
31	30	---	25	20	---	25	---	---	---	---	35	---

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°41'47", long 91°12'39", on line between lots 1 and 6, St. Mary Parish, Hydrologic Unit 08080101, at Southern Pacific Transportation Co. railroad bridge, 0.3 mi (0.5 km) downstream from U.S. Highway 90, 0.3 mi (0.5 km) upstream from Bayou Boeuf, and 1.0 mi (1.6 km) southwest of Morgan City High School.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to September 1975 (discharge measurements only), October 1976 to current year (elevations and discharge measurements only). Gage heights, 1905 to December 1975 and discharge, intermittently, 1927 to December 1975 (collected in same vicinity) are in reports of Corps of Engineers, New Orleans district, and National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Discharge and elevations affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.71 ft (2.045 m) May 4, 1979; minimum, -0.94 ft (-0.286 m) Nov. 29, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.97 ft (1.820 m) Apr. 13; minimum, 0.34 ft (0.10 m) Aug. 21.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)
Oct. 3, 1979.......	135,000	Feb. 6.........	150,000	May 5......	247,000	Aug. 6....	74,600
Oct. 17.............	112,000	Feb. 21.........	87,800	May 29......	156,000	Aug. 19....	88,300
Oct. 31.............	48,000	Mar. 5.........	111,000	June 24......	129,000	Aug. 19....	90,500
Nov. 20.............	122,000	Mar. 19.........	151,000	June 24......	137,000	Sept. 3....	105,000
Dec. 20.............	162,000	Apr. 9.........	287,000	July 9......	101,000	Sept. 16....	101,000
Jan. 9, 1980.......	153,000	Apr. 23.........	304,000	July 22......	86,700	Sept. 16....	94,400
Jan. 23.............	142,000	May 5.........	250,000	July 22......	82,600	Sept. 30....	108,000

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.49	1.70	1.76	1.82	1.79	1.84	4.15	4.67	3.14	1.85	1.20	2.11
2	2.61	1.76	1.75	1.95	2.18	.87	4.44	4.71	3.09	1.57	1.20	1.85
3	2.36	1.26	1.79	2.17	2.21	1.60	4.74	4.58	2.85	1.84	1.20	1.78
4	2.62	1.54	2.08	1.94	2.13	2.13	4.47	4.39	2.74	1.70	2.00	1.98
5	2.31	1.71	2.33	2.11	2.18	2.23	4.29	4.38	2.67	1.56	2.10	1.69
6	2.40	1.57	2.77	2.23	1.96	2.07	4.52	4.19	2.69	1.75	2.00	2.60
7	2.40	1.03	2.76	2.42	1.70	2.38	4.60	4.11	2.68	1.92	2.13	2.30
8	2.47	1.76	2.80	2.29	1.86	1.98	4.68	4.01	2.51	2.11	2.54	2.02
9	2.71	2.28	2.76	2.52	1.95	1.94	4.52	3.98	2.25	2.06	3.17	1.81
10	2.32	1.53	2.83	2.45	1.46	1.94	4.53	4.01	2.29	2.26	3.13	1.57
11	2.32	1.47	2.98	2.93	1.71	1.72	4.73	4.12	2.54	2.35	2.58	1.19
12	2.53	1.45	2.93	2.39	1.80	2.08	4.91	4.14	2.50	2.31	1.99	1.40
13	2.41	.72	3.00	2.52	1.77	1.98	5.81	4.05	2.60	2.25	1.95	1.90
14	1.81	.89	2.74	2.52	1.81	1.46	5.20	3.79	2.67	2.00	2.05	1.83
15	2.20	1.09	2.76	2.40	2.10	2.04	5.09	3.52	2.75	1.46	1.93	1.71
16	2.29	1.27	2.81	2.36	2.20	2.47	5.01	4.46	2.59	1.21	2.20	2.06
17	2.21	1.45	2.47	2.29	1.45	2.73	5.04	3.53	2.41	1.46	1.80	2.48
18	2.00	1.42	2.48	2.49	2.26	1.93	4.99	3.48	2.25	1.47	1.45	1.70
19	2.14	1.72	2.51	2.40	2.67	3.05	4.94	3.30	2.23	1.78	1.59	1.98
20	2.23	1.76	2.46	2.39	2.39	2.64	4.88	3.28	2.07	1.59	1.56	2.03
21	2.19	1.92	2.48	2.35	2.13	2.24	4.80	2.92	2.05	2.08	1.59	2.30
22	2.46	2.22	2.70	2.54	1.75	2.17	4.77	3.10	2.06	1.79	1.94	2.35
23	1.49	1.75	2.79	1.85	1.49	2.48	4.67	2.94	2.16	2.13	1.01	2.03
24	1.83	1.73	3.14	1.92	1.49	2.80	4.66	2.98	2.32	1.80	1.53	2.25
25	1.84	2.24	2.13	2.18	1.39	2.66	4.85	2.99	2.59	2.10	2.08	2.31
26	1.99	2.14	2.13	2.28	.93	2.94	5.00	2.95	2.32	2.10	2.28	1.94
27	2.28	2.15	2.05	2.36	1.59	3.26	4.66	2.92	2.19	2.20	1.78	2.04
28	2.19	2.04	1.98	2.27	1.34	3.78	4.65	3.19	2.49	2.20	1.84	2.08
29	2.17	1.69	2.13	2.30	1.66	3.88	4.66	3.12	2.56	1.60	1.80	2.13
30	2.47	1.56	2.06	2.30	---	4.16	4.61	3.18	2.27	1.50	2.10	2.21
31	2.55	---	2.03	2.20	---	3.98	---	3.15	---	1.30	2.05	---
MEAN	2.27	1.63	2.46	2.29	1.84	2.43	4.76	3.68	2.48	1.85	1.93	1.99
MAX	2.71	2.28	3.14	2.93	2.67	4.16	5.81	4.71	3.14	2.35	3.17	2.60
MIN	1.49	.89	1.75	1.82	.93	.87	4.15	2.92	2.05	1.21	1.01	1.19

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1978 to current year.
WATER TEMPERATURES: October 1976 to current year.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey. Corps of Engineers station 03780.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 611 micromhos Oct. 19, Nov. 25, 1978; minimum daily, 179 micromhos Feb. 23, 1979.
WATER TEMPERATURES: Maximum daily, 32.0°C July 28, 1977; minimum daily, 4.0°C Jan. 2-9, 10, 11, 1978.
CHLORIDE: Maximum daily, 160 mg/L June 14, 15, 16, 1977; minimum daily, 11 mg/L Jan. 6, May 11, 1976.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 573 micromhos Sep. 14; minimum daily, 213 micromhos May 24.
WATER TEMPERATURES: Maximum daily, 31.5°C July 13, 14, 26; minimum daily, 7.5°C Feb. 7, 11, 14, 18.
CHLORIDE: Maximum daily, 95 mg/L July 25; minimum daily, 15 mg/L Apr. 5, 24, 27, May 7.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 17...	1400	107000	355	7.1	23.0	10	22	<1.0	8.3	16	.8	--
NOV 20...	1300	122100	409	7.7	14.5	15	36	<1.0	9.8	21	.0	580
DEC 20...	1200	162000	310	7.6	11.5	30	76	<1.0	10.0	28	3.7	K700
JAN 23...	1230	142000	304	7.4	9.5	30	34	<1.0	10.2	14	2.5	160
FEB 06...	1200	150000	283	7.4	7.5	60	96	<1.0	11.2	31	4.8	1500
MAR 05...	1330	112000	287	7.5	10.5	20	69	<1.0	10.5	27	1.8	1100
APR 09...	1200	287000	238	7.3	15.5	30	110	<1.0	8.1	19	--	K35
MAY 05...	1500	250000	254	7.4	19.5	30	44	<1.0	7.1	33	1.1	K35
JUN 11...	1200	--	294	6.8	27.0	30	80	<1.0	6.0	25	.6	--
24...	1200	129000	--	--	--	--	--	--	--	--	--	--
JUL 22...	0915	86700	431	7.7	30.0	15	28	<1.0	6.8	14	1.6	K140
AUG 19...	1100	88300	486	7.8	--	5	15	<1.0	7.9	17	4.8	K10
SEP 03...	1315	105000	498	7.0	30.0	10	38	<1.0	7.0	11	1.3	K40

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT 17...	190	--	130	42	34	11	18	31	.7	3.2	110	0
NOV 20...	4500	K200	140	32	36	11	25	37	.9	3.5	126	0
DEC 20...	120	240	110	24	29	8.2	18	26	.8	3.7	100	0
JAN 23...	--	K10	110	30	31	8.9	15	22	.6	2.7	102	0
FEB 06...	130	K80	97	29	24	9.0	16	26	.7	2.5	83	0
MAR 05...	K20	K25	100	30	28	7.8	18	27	.8	2.5	88	0
APR 09...	K20	K60	83	22	23	6.3	12	23	.6	2.5	75	0
MAY 05...	K15	370	85	28	23	6.7	12	23	.6	2.6	79	0
JUN 11...	K40	180	96	15	27	6.9	21	32	.9	2.4	98	0
JUL 22...	K80	--	150	44	41	12	27	27	1.0	3.5	132	0
AUG 19...	<4	K5	160	43	43	14	34	30	1.2	4.0	147	0
SEP 03...	--	1800	170	52	43	14	33	30	1.1	3.6	138	0

DATE	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 17...	90	47	22	.2	6.3	208	197	.28	32	1.0	.06	1.1
NOV 20...	103	53	27	.2	6.0	235	225	.32	92	.82	.01	.83
DEC 20...	82	36	25	.2	6.6	185	177	.25	154	.91	.05	.96
JAN 23...	84	38	19	.1	7.0	192	173	.26	117	.95	.04	.99
FEB 06...	68	33	21	.1	6.2	171	154	.23	149	.75	.06	.81
MAR 05...	72	37	25	.1	6.7	175	169	.24	106	.67	.03	.70
APR 09...	62	27	16	.1	5.5	155	130	.21	285	--	--	--
MAY 05...	65	27	16	.2	5.3	155	133	.21	49	.77	.03	.80
JUN 11...	80	31	26	.2	5.4	166	168	.23	113	.53	.03	.56
JUL 22...	108	55	33	.3	6.4	262	243	.36	52	1.8	.01	1.8
AUG 19...	121	61	40	.3	--	281	--	.38	101	.57	.04	.61
SEP 03...	113	78	34	.3	4.0	277	279	.38	54	.90	.01	.91

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, DIS-SOLVED (MG/L AS N)
OCT												
17...	1.1	.05	.03	.06	.04	.73	.53	.78	.22	.56	1.9	1.7
NOV												
20...	.86	.02	.01	.02	.01	.94	.73	.96	.22	.74	1.8	1.6
DEC												
20...	.83	.12	.12	.15	.15	1.3	1.3	1.4	.00	1.4	2.4	2.2
JAN												
23...	.98	.08	.03	.10	.04	1.0	.48	1.1	.59	.51	2.1	1.5
FEB												
06...	.73	.07	.05	.08	.06	.80	.83	.87	--	.88	1.7	1.6
MAR												
05...	.70	--	.00	--	.00	--	.84	.84	.00	.84	1.5	1.5
APR												
09...	.90	.04	.02	.05	.03	1.9	.61	1.9	1.3	.63	--	1.5
MAY												
05...	.77	.09	.04	.11	.05	1.2	1.2	1.3	.10	1.2	2.1	2.0
JUN												
11...	.54	--	.07	--	.09	--	.90	1.0	.03	.97	1.6	1.5
JUL												
22...	.25	.13	.01	.16	.01	.75	.45	.88	.42	.46	2.7	.71
AUG												
19...	.80	--	.10	--	.13	--	.40	.65	.15	.50	1.3	.50
SEP												
03...	.95	1.2	1.1	1.5	1.4	.00	.80	1.2	.24	.96	2.1	1.9

DATE	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
OCT												
17...	8.3	.120	.050	2	1	1	200	140	60	0	<1	1
NOV												
20...	7.9	.110	.070	2	1	1	--	--	--	0	<1	0
DEC												
20...	10	.200	.050	2	1	1	--	--	--	0	<1	1
JAN												
23...	9.3	.120	.050	2	1	1	--	--	50	0	<1	0
FEB												
06...	7.4	.150	.030	2	2	0	--	--	--	0	<1	0
MAR												
05...	6.8	.130	.020	2	1	1	--	--	--	0	<1	1
APR												
09...	--	.300	.040	3	2	1	200	150	50	0	<1	1
MAY												
05...	9.3	.170	.060	2	1	1	--	--	--	0	<1	1
JUN												
11...	6.9	.350	.170	2	0	2	--	--	--	0	<1	0
JUL												
22...	12	--	.150	2	0	2	100	20	80	0	<1	0
AUG												
19...	5.6	.190	.060	--	--	--	--	--	--	--	--	--
SEP												
03...	9.3	.570	.090	2	0	2	--	--	--	0	<1	1

< Actual value is known to be less than the value shown.

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)
OCT											
17...	0	1	0	0	0	0	0	<3	20	20	0
NOV											
20...	--	2	10	--	--	0	--	--	0	--	3
DEC											
20...	--	2	0	--	--	0	--	--	8	7	1
JAN											
23...	--	<1	10	10	0	0	2	3	--	--	12
FEB											
06...	--	1	0	--	--	0	--	--	4	0	4
MAR											
05...	0	1	0	--	--	0	--	--	10	6	4
APR											
09...	0	1	20	20	0	0	6	<3	22	15	7
MAY											
05...	0	1	0	--	--	0	--	--	20	10	10
JUN											
11...	--	<1	0	--	--	0	--	--	10	5	5
JUL											
22...	--	<1	10	10	0	0	0	<3	9	6	3
AUG											
19...	--	--	--	--	--	--	--	--	--	--	--
SEP											
03...	0	1	0	--	--	0	--	--	7	5	2

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)
OCT											
17...	2000	2000	10	16	14	2	140	140	2	--	--
NOV											
20...	--	--	10	6	4	2	--	--	--	.1	.1
DEC											
20...	--	--	60	8	8	0	--	--	--	.1	.1
JAN											
23...	4100	4100	50	6	3	3	150	140	7	.1	.1
FEB											
06...	--	--	90	8	6	2	--	--	--	.1	.0
MAR											
05...	--	--	70	5	5	0	--	--	--	.2	--
APR											
09...	8200	8200	50	12	12	0	310	280	30	.1	.1
MAY											
05...	--	--	60	10	10	0	--	--	--	.1	.1
JUN											
11...	--	--	110	6	6	0	--	--	--	.0	.0
JUL											
22...	1800	1800	10	4	4	0	80	80	<1	.0	.0
AUG											
19...	--	--	--	--	--	--	--	--	--	--	--
SEP											
03...	--	--	10	4	4	0	--	--	--	.0	.0

< Actual value is known to be less than the value shown.

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
OCT											
17...	.0	5	4	1	0	0	0	0	0	0	1.0
NOV											
20...	.0	5	1	4	0	0	0	--	--	--	1.0
DEC											
20...	.0	3	3	0	0	0	0	0	--	--	.0
JAN											
23...	.0	12	--	15	0	0	0	0	0	0	.0
FEB											
06...	.1	11	11	0	0	0	0	--	--	--	1.0
MAR											
05...	.3	3	2	1	0	0	0	0	--	--	.0
APR											
09...	.0	30	24	6	0	0	0	0	0	0	1.0
MAY											
05...	.0	7	4	3	0	0	0	0	--	--	.0
JUN											
11...	.0	11	2	9	0	0	0	--	--	--	.0
JUL											
22...	.0	4	1	3	1	0	1	0	0	0	6.0
AUG											
19...	--	--	--	--	0	--	--	--	--	--	3.0
SEP											
03...	.0	6	2	4	1	0	1	--	--	--	6.0

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)
OCT											
17...	90	90	5	--	5.7	.4	.00	6	0	.0	.00
NOV											
20...	0	--	<3	7.3	--	--	.00	0	0	.0	.00
DEC											
20...	40	20	20	9.1	--	--	.00	4	0	.0	.00
JAN											
23...	50	30	20	--	6.6	2.8	.00	4	0	.0	.00
FEB											
06...	30	20	7	8.2	--	--	.00	6	0	.1	.00
MAR											
05...	30	30	<3	5.8	--	--	.00	1	0	.0	.00
APR											
09...	60	60	<3	--	5.7	1.7	.00	2	0	.0	.00
MAY											
05...	50	40	7	9.2	--	--	.00	0	0	.0	.00
JUN											
11...	60	50	7	11	--	--	.00	2	0	.0	.00
JUL											
22...	20	20	<3	--	6.3	1.3	.00	0	0	.0	.00
AUG											
19...	--	--	--	7.2	--	--	.00	0	1	.0	.00
SEP											
03...	30	30	<3	8.8	--	--	.00	--	--	.0	.00

< Actual value is known to be less than the value shown.

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)
OCT 17...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00	.000
NOV 20...	.000	.0	.000	.000	.000	.02	.000	.000	.000	.00	.000
DEC 20...	.000	.0	.000	.000	.000	.02	.002	.000	.000	.00	.000
JAN 23...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00	.000
FEB 06...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00	.000
MAR 05...	.000	.0	.000	.000	.001	.00	.001	.000	.000	.00	.000
APR 09...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00	.000
MAY 05...	.000	.0	.001	.000	.004	.03	.001	.000	.000	.00	.000
JUN 11...	.000	.0	.000	.000	.000	.01	.001	.000	.000	.00	.000
JUL 22...	.000	.0	.000	.000	.000	.02	.003	.000	.000	.00	.000
AUG 19...	.000	.0	.000	.000	.000	.01	.001	.000	.000	.00	.000
SEP 03...	.000	.0	.000	.000	.000	.03	.002	.000	.000	.00	.000

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
OCT 17...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
NOV 20...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
DEC 20...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
JAN 23...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
FEB 06...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
MAR 05...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
APR 09...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
MAY 05...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
JUN 11...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
JUL 22...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
AUG 19...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
SEP 03...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 17...	.00	.04	.01	.00	6200	--	--	--
NOV 20...	.00	.04	.01	.00	67000	246	81100	95
DEC 20...	.00	.01	.01	.00	--	238	104000	93
JAN 23...	.00	.02	.00	.00	--	191	73200	95
FEB 06...	.00	.02	.01	.00	--	241	97600	96
MAR 05...	.00	.04	.00	.00	2700	220	66500	99
APR 09...	.00	.03	.00	.00	--	377	292000	82
MAY 05...	.00	.04	.01	.00	3700	289	195000	78
JUN 11...	.00	.06	.00	.00	2500	--	--	--
24...	--	--	--	--	--	155	54000	99
JUL 22...	.00	.00	.00	.00	2800	182	42600	98
AUG 19...	.00	.01	.01	.00	--	85	20300	95
SEP 03...	.00	.01	.00	.00	--	451	128000	99

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25'DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	367	436	335	346	272	---	250	255	277	---	477	481
2	345	441	348	351	297	276	244	256	276	---	455	487
3	342	427	342	310	302	294	240	262	244	504	435	493
4	338	458	349	321	---	291	242	261	243	---	427	502
5	331	493	345	323	310	304	242	255	289	472	441	466
6	323	469	352	299	315	324	270	254	256	---	453	485
7	330	450	357	290	309	337	239	255	257	425	466	474
8	340	446	348	288	322	346	243	272	297	425	478	488
9	---	432	358	291	306	359	261	268	277	423	482	484
10	---	475	341	287	330	344	255	252	308	416	489	486
11	361	454	341	268	323	379	253	249	304	416	490	533
12	374	460	330	290	299	384	255	255	321	422	504	509
13	360	477	349	292	297	378	265	267	---	422	513	539
14	333	472	---	290	305	392	245	268	---	419	510	573
15	373	459	313	289	304	---	256	257	343	430	515	556
16	---	419	305	297	309	384	252	256	434	441	---	536
17	---	405	315	302	---	374	245	256	481	443	529	523
18	401	413	331	309	271	377	259	260	513	---	512	511
19	388	401	327	311	271	372	260	263	522	439	497	490
20	396	406	322	324	238	357	256	257	443	445	498	493
21	404	398	308	322	222	339	254	225	471	439	504	473
22	413	391	306	322	231	328	256	227	441	443	531	502
23	378	387	328	318	234	301	255	234	425	439	513	491
24	385	387	332	---	225	309	267	213	427	450	557	488
25	393	382	337	332	275	300	253	---	---	453	518	465
26	404	388	356	320	260	290	250	229	485	464	527	435
27	419	393	385	290	276	275	248	219	509	476	530	438
28	408	343	328	353	255	259	252	271	487	470	537	457
29	450	353	335	312	250	266	259	266	520	457	545	423
30	425	347	326	343	---	268	263	274	519	446	---	429
31	426	---	322	---	---	261	---	---	---	454	496	---

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.5	19.5	---	10.5	8.0	---	12.5	18.5	25.0	---	29.5	29.0
2	23.0	---	---	10.5	8.0	9.5	14.5	18.5	25.0	---	30.5	29.0
3	24.0	---	12.0	10.5	8.0	9.0	14.0	19.0	25.0	29.0	30.5	28.0
4	24.5	19.0	12.0	10.0	---	10.0	14.5	20.0	25.0	---	30.0	28.0
5	24.0	19.0	12.0	10.0	8.0	11.0	14.5	20.0	26.0	29.0	30.0	28.0
6	22.5	19.0	11.0	10.0	8.0	9.0	15.0	20.0	26.0	---	29.5	28.0
7	24.0	19.0	10.0	9.5	7.5	12.0	15.0	20.0	26.5	30.0	30.0	28.0
8	23.0	18.0	10.0	9.5	8.0	8.0	15.0	21.0	27.0	30.0	30.0	28.0
9	---	18.0	10.0	9.5	8.0	10.5	15.0	21.0	27.0	30.0	30.0	28.0
10	---	17.0	10.0	9.5	8.0	11.0	16.0	23.0	27.0	30.5	30.0	28.5
11	22.0	---	10.0	10.0	7.5	11.0	16.5	23.0	27.0	30.5	30.0	29.0
12	22.0	16.5	11.0	10.0	8.0	12.0	16.5	22.0	27.0	30.5	30.0	29.0
13	22.0	16.0	11.0	10.0	8.0	12.0	16.5	22.0	---	31.5	30.5	29.0
14	---	15.0	---	10.0	7.5	11.5	16.0	22.0	---	31.5	30.0	29.0
15	---	15.0	11.0	10.5	8.0	---	16.0	22.0	27.0	30.0	30.0	29.5
16	---	14.5	11.0	11.0	8.0	---	16.0	22.0	27.0	30.0	---	29.5
17	---	14.0	10.0	11.0	---	12.5	16.0	23.0	27.0	31.0	30.0	29.5
18	---	14.5	9.0	11.0	7.5	11.0	16.5	23.0	27.0	---	30.5	29.0
19	---	15.0	9.0	11.0	8.0	12.0	16.0	22.0	27.0	31.0	30.5	29.0
20	20.0	15.0	9.5	11.0	8.5	12.0	16.5	22.5	26.5	31.0	30.5	29.0
21	20.0	15.0	9.5	11.0	9.0	12.0	16.5	23.0	26.5	30.0	31.0	29.0
22	22.0	14.5	9.0	11.5	9.0	12.0	17.0	23.0	27.0	30.5	31.0	29.0
23	18.0	14.0	9.5	11.0	10.0	12.0	17.0	23.0	27.0	30.5	30.0	29.0
24	19.0	14.0	9.5	10.0	10.0	12.0	17.0	22.0	27.0	30.5	30.0	29.0
25	---	14.0	10.0	10.0	11.0	12.0	18.0	---	---	30.5	30.0	28.5
26	19.0	14.0	10.0	11.0	10.0	12.5	18.0	23.5	27.0	31.5	30.0	28.0
27	19.0	14.0	10.0	10.5	10.0	12.5	18.0	23.5	28.0	30.0	30.0	28.0
28	20.0	14.0	10.0	10.5	---	12.0	18.0	25.0	27.0	29.5	29.5	28.0
29	20.0	13.0	10.0	10.5	12.0	14.0	18.5	25.0	28.5	29.0	29.5	29.0
30	20.0	12.0	10.0	10.5	---	---	18.5	25.0	28.5	29.5	---	28.0
31	20.0	---	10.0	---	---	13.5	---	---	---	29.5	29.5	---

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	32	30	24	20	---	20	20	25	---	43	35
2	26	34	32	28	40	25	25	20	25	---	---	30
3	24	32	32	26	20	25	---	20	25	59	36	35
4	18	38	32	26	---	25	25	20	25	---	36	35
5	22	36	32	28	40	25	15	20	25	46	36	30
6	20	40	30	20	25	25	20	30	20	41	35	35
7	22	38	28	18	35	35	20	---	30	39	46	40
8	22	38	28	20	30	25	---	30	25	41	44	40
9	---	34	34	20	25	30	20	20	---	34	40	45
10	---	34	28	18	30	30	20	25	30	34	41	40
11	---	34	32	28	25	35	20	25	30	34	45	45
12	---	36	24	18	30	30	20	25	40	39	50	45
13	---	38	30	24	25	35	25	30	---	35	45	50
14	---	38	---	26	30	40	20	30	---	35	41	65
15	---	34	30	24	25	---	20	20	30	34	49	55
16	---	32	26	20	30	35	20	20	40	37	---	50
17	---	32	30	32	---	35	25	30	55	36	45	40
18	---	30	26	22	---	35	20	20	59	35	40	40
19	---	28	28	22	30	30	20	25	56	37	40	40
20	---	28	26	22	25	30	20	25	50	34	44	40
21	---	28	24	20	35	30	20	25	47	34	47	30
22	---	28	26	22	45	30	20	25	45	32	45	45
23	---	28	26	22	40	25	20	20	40	43	45	35
24	---	28	26	30	25	25	15	20	42	63	40	40
25	---	36	24	25	30	25	20	25	---	95	45	45
26	---	38	30	25	25	25	20	25	56	81	46	40
27	---	32	28	20	25	25	15	25	55	66	50	35
28	---	28	26	25	25	25	20	25	56	39	65	40
29	---	32	26	25	25	20	20	---	58	40	40	40
30	---	32	---	30	---	20	20	25	57	35	---	---
31	---	---	28	---	---	20	---	---	---	50	50	---

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	OCT 17.79 1400	NOV 20.79 1300	MAR 5.80 1330	MAY 5.80 1500	JUN 11.80 1200	JUL 22.80 0915
TOTAL CELLS/ML	6200	67000	2700	3700	2500	2800
DIVERSITY: DIVISION	1.0	0.5	1.4	1.6	1.5	1.5
.CLASS	1.0	0.5	1.4	1.6	1.5	1.5
..ORDER	1.3	1.0	1.6	2.2	1.5	1.5
...FAMILY	2.0	1.1	1.8	2.6	1.6	2.1
....GENUS	2.5	1.3	2.3	3.4	2.2	2.6
					3.2	3.0

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHLOROCOCCACEAE												
....CHLOROCOCCUM	--	-	*	0	--	-	--	-	--	-	--	-
...COELASTRACEAE												
....COELASTRUM	--	-	*	0	--	-	43	1	340	13	--	-
...MICRACTINIACEAE												
....GOLENKINIA	--	-	*	0	--	-	--	-	--	-	26	1
....MICRACTINIUM	--	-	--	-	29	1	--	-	130	5	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	--	-	*	0	110	4	130	4	--	-	--	-
....CHLORELLA	--	-	*	0	--	-	--	-	--	-	--	-
....CHODATELLA	--	-	--	-	--	-	29	1	--	-	*	0
....CLOSTERIOPSIS	--	-	--	-	--	-	--	-	--	-	*	0
....DICTYOSPHAERIUM	--	-	*	0	--	-	230	6	--	-	26	1
....KIRCHNERIELLA	--	-	*	0	--	-	*	0	--	-	--	-
....OOCYSTIS	--	-	*	0	14	1	29	1	120	5	--	-
....TETRAEDRON	--	-	--	-	--	-	*	0	--	-	--	-
....TREUBARIA	--	-	--	-	--	-	--	-	--	-	*	0
...SCENEDESMACEAE												
....ACTINASTRUM	--	-	--	-	57	2	110	3	--	-	--	-
....CRUCIGENIA	--	-	--	-	--	-	130	4	--	-	210	8
....SCENEDESMUS	420	7	*	0	--	-	220	6	130	5	160	6
....TETRASTRUM	--	-	*	0	57	2	57	2	52	2	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	100	2	*	0	43	2	43	1	13	1	26	1
...POLYBLEPHARIDACEAE												
....PYRAMIMONAS	--	-	--	-	--	-	*	0	--	-	--	-
...VOLVOCACEAE												
....PANDORINA	--	-	--	-	--	-	--	-	--	-	210	8
..ZYGNEMATALES												
...DESMIDIACEAE												
....EUASTRUM	--	-	--	-	--	-	--	-	13	1	--	-
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....COSCINODISCUS	--	-	--	-	--	-	*	0	320	13	*	0
....CYCLOTELLA	310	5	1700	3	370	14	130	4	77	3	130	5
....MELOSIRA	470	7	1100	2	800#	29	880#	24	720#	29	580#	21
....SKELETONEMA	--	-	960	1	--	-	--	-	--	-	--	-
....STEPHANODISCUS	--	-	--	-	--	-	*	0	220	9	--	-
..PENNALES												
...ACHNANTHACEAE												
....ACHNANTHES	--	-	*	0	--	-	*	0	--	-	--	-
...FRAGILARIACEAE												
....ASTERIONELLA	--	-	--	-	86	3	43	1	--	-	--	-
....SYNEDRA	--	-	*	0	--	-	72	2	--	-	--	-
...NAVICULACEAE												
....NAVICULA	--	-	*	0	--	-	--	-	--	-	*	0
...NITZSCHIACEAE												
....NITZSCHIA	100	2	*	0	14	1	86	2	--	-	39	1

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	OCT 17,79 1400		NOV 20,79 1300		MAR 5,80 1330		MAY 5,80 1500		JUN 11,80 1200		JUL 22,80 0915	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOMONADACEAE												
....CRYPTOMONAS	--	-	--	-	--	-	--	-	13	1	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	--	-	--	-	--	-	--	-	--	-	100	4
....ANACYSTIS	100	2	54000#	80	--	-	1100#	29	--	-	52	2
..HORMOGONALES												
...NOSTOCACEAE												
....ANABAENA	620	10	800	1	--	-	--	-	77	3	230	8
....ANABAENOPSIS	2200#	35	--	-	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE												
....LYNGBYA	--	-	--	-	--	-	140	4	--	-	--	-
....OSCILLATORIA	1900#	30	7000	10	1100#	42	130	4	260	10	910#	33
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	--	-	--	-	--	-	*	0	--	-	--	-
....EUTREPTIA	--	-	*	0	--	-	--	-	--	-	--	-
....TRACHELOMONAS	52	1	--	-	--	-	--	-	13	1	--	-

NOTE: # - DOMINANT ORGANISM: EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED: LESS THAN 1/2%

[illegible] [illegible] AT [illegible], NEAR AMELIA, LA [illegible]

LOCATION.--Lat [illegible], long [illegible], in [illegible], Hydrologic Unit [illegible] [illegible] southeast of [illegible].

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years [illegible] to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER [illegible] TO SEPTEMBER [illegible]

DATE	TIME	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

[illegible] BAYOU PENCHANT AT BAYOU CHENE, NEAR AMELIA, LA (CE [illegible])--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
OCT												
[illegible]...	66	.36	.01	.38	.66	.120	2	1	1	0	<1	0
NOV												
[illegible]...	66	.38	.01	.43	.48	.100	1	1	0	0	<1	0
DEC												
[illegible]...	60	.08	.00	.06	.81	.060	2	1	1	0	<1	0
JAN												
[illegible]...	79	.27	.02	.29	.56	.060	1	0	1	0	<1	0
FEB												
[illegible]...	72	.16	.04	.19	1.2	.110	1	0	1	0	<1	1
MAR												
[illegible]...	108	.08	.05	.71	.73	.150	2	1	1	0	<1	1
APR												
[illegible]...	36	.00	.01	.01	.50	.140	2	0	2	0	<1	0
MAY												
[illegible]...	30	.13	.03	.06	.06	.140	2	0	2	0	<1	0
JUN												
[illegible]...	49	.51	.02	.54	.93	.330	4	2	2	10	<1	0
JUL												
[illegible]...	82	.01	.02	.01	1.1	.090	4	1	4	0	<1	0
AUG												
[illegible]...	68	.01	.00	.03	1.0	.100	0	0	0	0	<1	0
SEP												
[illegible]...	36	.36	.06	.44	1.0	.120	2	0	2	0	<1	0

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
OCT												
[illegible]...	--	2	1	0	4	4	0	10	3	2	1	.0
NOV												
[illegible]...	--	<1	0	0	2	1	1	10	4	4	0	.0
DEC												
[illegible]...	--	<1	0	0	5	2	5	50	7	5	2	.0
JAN												
[illegible]...	--	<1	10	0	4	--	7	20	5	5	0	.1
FEB												
[illegible]...	0	1	0	0	2	4	1	50	12	12	0	.0
MAR												
[illegible]...	0	1	20	0	0	2	4	30	7	7	0	.0
APR												
[illegible]...	<1	<1	0	0	5	3	2	120	4	2	2	.1
MAY												
[illegible]...	0	1	1	0	4	4	2	60	11	11	0	.0
JUN												
[illegible]...	<1	<1	0	0	0	5	0	20	4	4	0	.0
JUL												
[illegible]...	<1	<1	10	0	5	2	5	10	10	10	0	.1
AUG												
[illegible]...	2	0	10	0	4	5	0	10	4	4	0	.0
SEP												
[illegible]...	<1	<1	0	0	11	4	2	10	4	4	0	.0

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER DELTA

[illegible] BAYOU PENCHANT AT BAYOU CHENE, NEAR AMELIA, LA (CE [illegible])--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NOV [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	[illegible]
DEC [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JAN [illegible]	[illegible]	[illegible]	[illegible]	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEB [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAR [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
APR [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAY [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUN [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUL [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUG [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SEP [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCT [illegible]	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NOV [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DEC [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JAN [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEB [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAR [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
APR [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAY [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUN [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUL [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUG [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SEP [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER DELTA

295540091093000 BAYOU PENCHANT AT BAYOU CHENE, NEAR AMELIA, LA (CE 53100)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
[illegible]...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
07...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
22...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
[illegible]...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
30...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
[illegible]...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
[illegible]...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
[illegible]...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
[illegible]...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
11...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
29...	.00	.00	.00	.00	.0	.00	.03	.00	.00	34.5	.000
NOV											
[illegible]...	.00	.00	.00	.00	.0	.00	.04	.00	.00	21.1	.000
DEC											
07...	.00	.00	.00	.00	.0	.00	--	--	--	6.77	.000
JAN											
22...	.00	.00	.00	.00	.0	.00	.05	.00	.01	29.0	1.30
FEB											
20...	.00	.00	.00	.00	.0	.00	.04	.00	.01	50.5	.000
MAR											
[illegible]...	.00	.00	.00	.00	.0	.00	.02	.00	.00	62.0	.000
APR											
30...	.00	.00	.00	.00	.0	.00	.33	.00	.06	10.0	.000
MAY											
[illegible]...	.00	.00	.00	.00	.0	.00	.05	.00	.11	83.0	1.06
JUN											
[illegible]...	.00	.00	.00	.00	.0	.00	.00	.00	.03	60.0	.000
JUL											
[illegible]...	.00	.00	.00	.00	.0	.00	.00	.00	.01	56.2	.000
AUG											
[illegible]...	.00	.00	.00	.00	.0	.00	.02	.01	.00	87.4	2.40
SEP											
11...	.00	.00	.00	.00	.0	.00	.02	.00	.00	66.0	2.05

292215091231500 ATCHAFALAYA BAY AT EUGENE ISLAND, NEAR MORGAN CITY, LA (CE 88600)

LOCATION.--Lat 29°22'15", long 91°23'15", T.19 S., R.11 E., St. Mary Parish, Hydrologic Unit 08080108, 1.2 mi (1.9 km) northeast of Point Au Fer light, 25 mi (40 km) southwest of Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
26...	1230	1350	8.1	20	75	<1.0	8.7	26	.9	4000	440	220
NOV												
20...	1200	390	7.9	30	60	<1.0	9.9	21	1.0	860	106	150
DEC												
07...	1100	340	7.5	50	60	<1.0	8.9	38	.5	400	140	100
JAN												
22...	1105	366	7.6	40	40	<1.0	9.2	32	--	K30	<2	110
FEB												
28...	1330	248	7.2	50	60	<1.0	9.7	25	.9	750	100	77
MAR												
25...	1315	298	7.3	20	80	<1.0	9.8	20	1.7	1060	K20	90
APR												
30...	1120	247	7.5	30	45	<1.0	7.6	18	--	290	K60	95
MAY												
20...	1250	252	7.3	60	60	<1.0	6.8	27	1.2	380	110	81
JUN												
26...	1305	427	7.6	15	110	<1.0	7.2	20	.7	840	K95	130
JUL												
16...	1330	670	8.0	20	60	<1.0	7.9	32	2.7	K20	<5	150
AUG												
28...	1511	1450	8.2	15	15	<1.0	8.8	25	1.5	K12	<2	260
SEP												
03...	1405	1450	7.3	15	15	<1.0	9.8	16	2.5	66	<7	250

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT												
26...	110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	133	0	[illegible]	[illegible]	[illegible]
NOV												
20...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]
DEC												
07...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]
JAN												
22...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]
FEB												
28...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]
MAR												
25...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]
APR												
30...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]
MAY												
20...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]
JUN												
26...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]
JUL												
16...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]
AUG												
28...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]
SEP												
03...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

292215091231500 ATCHAFALAYA BAY AT EUGENE ISLAND, NEAR MORGAN CITY, LA (CE 88600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
OCT												
26...	214	.64	.02	.66	.57	.220	3	2	1	0	<1	1
NOV												
20...	76	.72	.01	.73	.70	.160	1	0	1	0	<1	0
DEC												
07...	35	.89	.05	.94	1.0	.090	2	1	1	0	<1	0
JAN												
22...	87	.68	.03	.71	.34	.090	2	1	1	0	<1	0
FEB												
28...	55	.45	.04	.49	.73	.090	1	1	0	0	<1	0
MAR												
25...	148	.90	.06	.96	.62	.190	2	2	0	0	<1	1
APR												
30...	74	.82	.02	.84	1.0	.130	2	1	1	0	<1	0
MAY												
20...	32	.49	.02	.51	.66	.160	2	1	1	0	<1	0
JUN												
24...	147	1.3	.01	1.3	.83	.200	3	1	2	0	<1	1
JUL												
16...	15	.73	.01	.74	1.6	.160	3	1	2	0	<1	0
AUG												
20...	16	.31	.03	.36	.82	.060	2	1	1	0	<1	0
SEP												
03...	27	.10	.01	.11	1.3	.070	2	0	2	--	<1	--

DATE	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT												
26...	0	1	10	0	3	3	0	10	5	5	0	.1
NOV												
20...	--	<1	0	0	3	1	2	10	9	6	0	.1
DEC												
07...	--	<1	0	0	6	2	4	70	5	3	2	.0
JAN												
22...	--	<1	10	0	6	6	0	40	6	4	0	.2
FEB												
28...	--	<1	0	0	5	5	0	90	8	9	0	.0
MAR												
25...	0	1	20	1	9	9	0	60	7	7	0	.0
APR												
30...	--	<1	0	0	7	6	3	60	8	8	2	.1
MAY												
20...	--	1	0	0	7	4	3	120	7	7	5	.0
JUN												
24...	0	1	10	0	10	9	3	20	7	7	0	.0
JUL												
16...	--	2	0	0	8	9	3	10	20	20	0	.1
AUG												
20...	--	<1	10	0	6	5	1	10	3	3	0	.0
SEP												
03...	--	<1	--	0	--	--	2	10	--	--	0	.0

< Actual value is known to be less than the value shown.

292215091231500 ATCHAFALAYA BAY AT EUGENE ISLAND, NEAR MORGAN CITY, LA (CE 88600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 26...	.1	.0	4	1	3	0	0	0	--	20	20	3
NOV 20...	.1	.0	5	2	3	0	0	0	1.0	10	7	3
DEC 07...	.0	.0	7	6	1	0	0	0	1.0	10	2	8
JAN 22...	.2	.0	10	10	0	0	0	0	.0	30	30	<3
FEB 28...	.0	.0	3	3	0	0	0	0	.0	20	20	4
MAR 25...	.0	.0	8	6	2	0	0	0	.0	30	30	<3
APR 30...	.1	.0	8	4	4	0	0	0	1.0	20	20	5
MAY 20...	.0	.0	9	6	3	0	0	0	.0	10	10	0
JUN 24...	.0	.0	14	12	2	1	1	0	1.0	40	40	<3
JUL 16...	.1	.0	6	4	2	1	1	0	2.0	110	110	<3
AUG 20...	.0	.0	7	6	1	0	0	0	--	40	40	<3
SEP 03...	.0	.0	--	--	1	0	0	0	--	40	40	<3

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 26...	--	.00	2	0	.0	.00	.000	.0	.000	.000	.000
NOV 20...	6.1	.00	2	0	.0	.00	.000	.0	.000	.000	.000
DEC 07...	7.1	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JAN 22...	6.6	.00	1	0	.0	.00	.000	.0	.000	.000	.000
FEB 28...	7.0	.00	1	0	--	--	--	--	--	--	--
MAR 25...	6.0	.00	6	0	.0	.00	.000	.0	.001	.000	.012
APR 30...	6.7	.00	0	0	.0	.00	.000	.0	.000	.000	.005
MAY 20...	7.0	.00	0	0	.0	.00	.000	.0	.002	.000	.003
JUN 24...	10	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL 16...	12	.00	6	1	.0	.00	.000	.0	.000	.000	.000
AUG 20...	6.1	.00	6	0	.0	.00	.000	.0	.000	.000	.000
SEP 03...	6.1	.00	5	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

292215091231500 ATCHAFALAYA BAY AT EUGENE ISLAND, NEAR MORGAN CITY, LA (CE 88600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
26...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
20...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
07...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
22...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
28...	--	--	--	--	--	--	--	--	--	--	--
MAR											
25...	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
30...	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
20...	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
24...	.01	.005	.000	.000	.00	.000	.002	.000	.00	.00	.00
JUL											
16...	.00	.003	.000	.000	.00	.000	.000	.002	.00	.00	.00
AUG											
20...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
03...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
26...	.00	.00	.00	.00	.0	.00	.03	.00	.00	11.4	.000
NOV											
20...	.00	.00	.00	.00	.0	.00	.04	.01	.00	7.63	.000
DEC											
07...	.00	.00	.00	.00	.0	.00	.03	.01	.00	13.5	.000
JAN											
22...	.00	.00	.00	.00	.0	.00	.02	.00	.00	10.1	.000
FEB											
28...	--	--	--	--	--	--	.02	.00	.00	3.02	.000
MAR											
25...	.00	.00	.00	.00	.0	.00	.03	.01	.00	3.66	.000
APR											
30...	.00	.00	.00	.00	.0	.00	.05	.00	.00	2.36	.000
MAY											
20...	.00	.00	.00	.00	.0	.00	.04	.00	.00	2.31	.000
JUN											
24...	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.00	.000
JUL											
16...	.00	.00	.00	.00	.0	.00	.00	.00	.00	60.4	.000
AUG											
20...	.00	.00	.00	.00	.0	.00	.06	.00	.00	27.4	.670
SEP											
03...	.00	.00	.00	.00	.0	.00	--	--	--	50.2	.000

07385750 BAYOU TECHE NEAR OLIVIER, LA

LOCATION.--Lat 29°57'18", long 91°42'54", in lot 28, T.12 S., R.7 E., Iberia Parish, Hydrologic Unit 08080102, on left bank of privately owned turn-span bridge, 3.6 mi (5.8 km) northwest of Jeanerette, 0.25 mi (0.40 km) downstream from Sandager Canal, and 2.8 mi (4.5 km) southeast of Olivier.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1958 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to current year.
pH: October 1976 to current year.
WATER TEMPERATURES: November 1973 to current year.
DISSOLVED OXYGEN: October 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1973.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 646 micromhos Apr. 8, 1976; minimum, 51 micromhos Apr. 17, 1980.
pH: Maximum, 8.5 units Apr. 22, 1979; minimum, 5.9 units May 20, 1980.
WATER TEMPERATURES: Maximum, 35.5°C July 17, 1980; minimum, 4.5°C Dec. 20, 1973, Jan. 21, 1978.
DISSOLVED OXYGEN: Maximum, 11.7 mg/L Apr. 4, 1974; minimum, 0.0 mg/L several days during Oct., Nov., Dec. 1973, Jan., Nov., Dec. 1974, Dec. 15, 1975, Dec. 1976, Jan. 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 597 micromhos Sep. 27; minimum, 51 micromhos Apr. 17.
pH: Maximum, 7.7 units July 25; minimum, 5.9 units May 20.
WATER TEMPERATURES: Maximum, 35.5°C July 17; minimum, 9.0°C Feb. 17, 18.
DISSOLVED OXYGEN: Maximum, 9.8 mg/L Feb. 16-18; minimum, 1.3 mg/L Dec. 7.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV 21...	1200	220	6.8	18.0	80	70	1.0	3.9	K2000	--	70	0
JAN 24...	1230	159	6.7	15.0	120	100	6.3	2.8	5200	4400	49	0
APR 08...	1200	104	6.6	22.5	70	65	8.4	7.9	8200	14000	37	5
JUL 09...	1130	355	6.7	32.0	20	20	4.5	3.4	K80	880	100	1

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 21...	20	4.8	12	32	.6	5.0	96	0	79	24	6.2	15
JAN 24...	13	3.9	10	29	.6	3.7	61	0	50	20	3.7	12
APR 08...	10	2.8	5.9	24	.4	2.9	38	0	31	15	4.0	8.2
JUL 09...	26	8.5	32	38	1.3	3.7	122	0	100	60	6.5	41

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
NOV 21...	.1	11	140	121	.19	.08	1.3	1.4	6.2	.320	1.0
JAN 24...	.1	9.9	115	88	.16	.21	2.0	2.2	9.7	.240	.74
APR 08...	.0	9.9	75	59	.10	.19	1.7	1.9	8.4	.330	1.0
JUL 09...	.2	13	208	189	.28	.08	1.0	1.1	4.9	.300	.92

K Results based on colony count outside the acceptable range (non-ideal count).

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
JAN 24...	2	10	<1	0	10	0	8	42	160	11000	3	100

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
JAN 24...	20	360	.0	.08	10	81	19	.00	4	.0	65	.00

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
JAN 24...	0	.00	.0	.0	180	.00	51	.00	84	.00	7.9	.00

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
JAN 24...	.0	.00	2.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
JAN 24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 24...	.0	.00	.0	.00	0	0	.00	.0	.00	.00	.00

< Actual value is known to be less than the value shown.

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	180	124	---	---	135	119	141	120
2			---	---	170	123	---	---	134	115	141	114
3			---	---	170	126	---	---	140	120	121	110
4			---	---	165	123	---	---	129	122	112	104
5			---	---	139	123	---	---	139	115	112	106
6			---	---	143	127	---	---	148	133	135	111
7			---	---	173	141	---	---	135	122	112	106
8			---	---	143	130	---	---	154	133	118	110
9			---	---	152	138	---	---	149	132	129	117
10			---	---	198	141	---	---	142	123	135	125
11			---	---	197	160	---	---	128	108	138	127
12			---	---	207	147	---	---	129	99	143	135
13			---	---	218	131	---	---	127	100	161	145
14			---	---	157	116	---	---	125	101	159	153
15			---	---	206	130	---	---	127	113	162	155
16			---	---	189	121	---	---	115	104	---	---
17			---	---	121	103	---	---	117	101	---	---
18			---	---	150	107	---	---	111	99	---	---
19			---	---	145	117	---	---	122	107	---	---
20			---	---	---	---	---	---	137	122	---	---
21			---	---	---	---	---	---	125	113	196	183
22			---	---	---	---	---	---	131	116	238	198
23			---	---	---	---	161	131	136	123	235	183
24			---	---	---	---	160	130	131	122	214	180
25			---	---	---	---	164	144	141	125	182	164
26			---	---	---	---	170	138	147	124	179	118
27			---	---	---	---	161	136	130	118	199	152
28			---	---	---	---	164	140	152	123	169	142
29			---	---	---	---	155	126	143	138	144	99
30			161	132	---	---	131	122	---	---	98	63
31			---	---	---	---	146	123	---	---	91	64

DAY	MA	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9	73	134	118	112	97	298	269	528	510	474	449
2	10	83	125	117	111	95	311	279	526	519	474	450
3	8	71	122	115	133	102	296	286	528	519	453	423
4	8	75	123	118	116	106	298	282	528	517	448	416
5	9	80	127	120	114	103	348	294	520	494	431	392
6	10	86	141	127	114	102	366	320	533	482	453	422
7	9	89	166	141	131	104	367	325	543	480	420	409
8	---	---	155	143	104	97	368	360	480	462	451	412
9	---	---	166	143	99	91	366	356	501	435	557	458
10	---	---	173	156	99	92	369	351	517	475	584	569
11	---	---	171	157	152	94	374	359	481	396	584	530
12	---	---	163	157	163	96	392	374	463	417	556	540
13	---	---	177	162	153	100	420	393	466	414	583	543
14	---	---	186	168	143	112	---	---	466	419	577	540
15	---	---	175	135	131	121	---	---	516	451	548	532
16	80	74	172	88	171	132	---	---	575	510	544	514
17	9	51	99	75	175	155	---	---	569	484	522	488
18	101	90	76	50	209	173	---	---	482	452	492	469
19	10	95	71	58	211	164	---	---	458	417	490	476
20	100	101	71	61	206	140	---	---	432	400	487	477
21	104	102	73	84	212	196	---	---	458	420	495	488
22	110	108	90	73	211	197	---	---	477	455	497	484
23	111	100	103	76	204	194	---	---	472	456	496	485
24	104	102	108	67	222	196	---	---	469	452	496	485
25	114	100	101	67	237	225	---	---	484	465	523	492
26	115	109	102	86	266	230	---	---	470	470	505	503
27	[illegible]	109	120	91	260	241	---	---	477	467	507	526
28	[illegible]	112	120	95	265	257	---	---	476	460	501	540
29	[illegible]	116	109	93	259	264	---	---	477	460	500	559
30	[illegible]	116	117	102	272	252	---	---	480	467	501	516
31	---	---	100	100	---	---	---	---	486	468	---	---

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	6.8	6.7	7.0	6.2			---	---	6.9	6.3
2	7.3	7.1	6.9	6.6	7.3	6.2			---	---	7.2	6.3
3	7.7	7.4	7.0	6.9	7.3	6.3			---	---	7.0	6.6
4	7.4	7.1	6.9	6.8	7.0	6.3			---	---	6.9	6.6
5	7.6	7.2	7.0	6.8	6.4	6.3			---	---	6.8	6.5
6	7.4	7.2	7.2	6.8	6.4	6.3			---	---	7.0	6.6
7	7.4	7.2	7.0	6.7	6.6	6.3			---	---	6.6	6.3
8	7.5	7.2	6.9	6.7	6.5	6.4			---	---	6.4	6.3
9	7.4	7.2	6.8	6.7	6.4	6.2			---	---	6.7	6.4
10	7.5	7.0	7.2	6.7	7.0	6.5			---	---	6.8	6.5
11	7.5	7.2	7.1	6.6	7.1	6.5			---	---	6.7	6.4
12	7.5	7.1	7.3	6.6	6.8	6.4			---	---	6.5	6.5
13	---	---	7.4	6.6	7.0	6.7			---	---	6.8	6.5
14	---	---	7.2	6.7	6.9	6.7			---	---	6.6	6.5
15	---	---	7.5	7.2	6.8	6.7			---	---	6.6	6.4
16	---	---	7.3	6.6	7.1	6.6			---	---	---	---
17	---	---	6.6	6.4	6.9	6.6			---	---	---	---
18	---	---	7.2	6.4	7.4	6.7			---	---	---	---
19	---	---	7.0	6.8	7.2	6.7			---	---	---	---
20	---	---	6.9	6.8	---	---			---	---	---	---
21	---	---	7.5	6.5	---	---			---	---	---	---
22	---	---	6.8	6.5	---	---			---	---	---	---
23	---	---	6.8	6.1	---	---			---	---	---	---
24	---	---	6.3	6.0	---	---			---	---	---	---
25	---	---	6.7	6.2	---	---			---	---	---	---
26	6.9	6.6	6.3	6.1	---	---			---	---	7.2	6.9
27	7.0	6.8	---	---	---	---			---	---	7.0	6.8
28	7.4	7.0	---	---	---	---			6.9	6.5	7.2	6.8
29	7.3	6.9	---	---	---	---			6.9	6.5	7.6	7.0
30	7.0	6.9	---	---	---	---			---	---	7.5	7.0
31	7.0	6.7	---	---	---	---			---	---	7.2	6.8

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.4	6.5	6.7	6.3	6.3	6.1	6.5	6.4	7.4	7.1	6.6	6.5
2	6.7	6.5	6.4	6.2	6.3	6.2	7.0	6.5	7.3	7.0	6.6	6.5
3	6.6	6.4	6.3	6.2	6.5	6.2	6.7	6.5	7.1	6.8	6.7	6.5
4	6.7	6.4	6.3	6.2	6.3	6.2	6.6	6.5	7.0	6.7	6.8	6.6
5	6.6	6.4	6.3	6.3	6.3	6.2	6.6	6.5	6.8	6.7	6.8	6.7
6	6.7	6.4	6.6	6.2	6.4	6.2	6.6	6.5	6.7	6.6	6.8	6.7
7	6.4	6.4	6.6	6.3	6.5	6.3	6.5	6.4	6.8	6.6	6.7	6.7
8	6.5	6.3	6.4	6.2	6.3	6.2	6.5	6.4	6.7	6.6	6.7	6.6
9	---	---	6.7	6.2	6.3	6.2	6.5	6.4	6.7	6.6	7.1	6.6
10	---	---	6.5	6.2	6.4	6.3	6.5	6.4	6.7	6.6	7.3	6.7
11	---	---	6.4	6.2	6.4	6.3	6.5	6.4	6.7	6.6	7.3	6.7
12	---	---	6.4	6.2	6.5	6.4	6.6	6.5	6.6	6.4	7.3	6.7
13	---	---	6.3	6.3	7.0	6.3	6.7	6.6	6.6	6.5	7.2	6.8
14	---	---	6.3	6.2	6.6	6.4	6.9	6.5	6.7	6.5	7.0	6.8
15	---	---	6.8	6.2	6.8	6.5	6.8	6.7	7.0	6.6	6.8	6.7
16	---	---	6.8	6.1	7.1	6.6	7.1	6.7	6.8	6.5	6.7	6.7
17	---	---	6.7	6.2	7.1	6.6	6.9	6.6	6.7	6.5	6.8	6.7
18	---	---	6.5	6.1	6.9	6.6	6.6	6.6	6.6	6.5	6.7	6.6
19	---	---	6.4	6.1	6.8	6.6	---	---	6.5	6.5	6.6	6.6
20	---	---	6.2	5.9	6.7	6.6	---	---	6.6	6.5	6.8	6.6
21	---	---	6.2	6.0	6.6	6.5	---	---	6.6	6.5	6.8	6.6
22	---	---	6.6	6.0	6.5	6.3	---	---	6.5	6.5	6.8	6.6
23	---	---	6.2	6.1	6.5	6.3	---	---	6.6	6.5	6.8	6.7
24	6.3	6.2	6.3	6.1	6.5	6.6	7.3	6.6	6.6	6.6	7.2	6.7
25	6.3	6.2	6.4	6.1	6.5	6.5	7.7	6.8	6.7	6.6	6.9	6.8
26	6.3	6.2	6.4	6.1	6.7	6.5	6.9	6.7	6.7	6.6	6.9	6.7
27	6.5	6.3	6.3	6.1	6.6	6.6	6.9	6.8	---	---	6.9	6.7
28	6.5	6.2	6.3	6.2	6.5	6.6	6.8	6.7	6.7	6.7	6.9	6.7
29	6.6	6.3	6.4	6.1	6.6	6.3	6.8	6.8	6.7	6.7	6.9	6.7
30	6.5	6.3	6.6	6.2	6.6	6.6	7.6	6.7	6.7	6.7	6.8	6.6
31	---	---	6.3	6.2	---	---	7.5	7.2	6.7	6.8	---	---

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	22.0	20.5	11.5	10.5	---	---	---	---	16.5	13.5
2	26.5	25.5	21.0	19.5	11.5	10.5	---	---	---	---	13.5	11.5
3	26.0	25.5	20.0	18.5	11.0	10.5	---	---	---	---	13.0	11.0
4	25.5	24.5	19.0	18.0	11.0	10.0	---	---	---	---	12.5	12.0
5	24.5	23.5	18.5	17.5	11.0	10.0	---	---	---	---	14.5	12.5
6	24.5	23.0	19.0	17.5	12.0	11.0	---	---	---	---	14.5	13.5
7	25.5	23.5	19.0	17.5	12.5	11.0	---	---	---	---	15.5	14.5
8	25.5	24.0	19.0	17.5	12.0	11.0	---	---	---	---	17.0	15.5
9	26.0	24.0	20.0	19.0	12.5	10.5	---	---	---	---	18.0	17.0
10	25.0	23.0	20.0	18.5	12.5	10.5	---	---	---	---	19.0	17.5
11	23.5	22.0	18.5	17.5	13.5	11.5	---	---	---	---	19.0	18.5
12	23.5	22.0	17.5	16.5	15.5	13.5	---	---	---	---	20.0	19.0
13	24.0	21.0	16.5	15.5	---	---	---	---	---	---	20.5	19.5
14	---	---	15.5	14.5	---	---	---	---	11.0	9.5	20.0	18.5
15	---	---	15.5	14.0	---	---	---	---	12.0	11.0	20.0	18.5
16	---	---	15.5	13.5	---	---	---	---	12.0	10.5	19.5	19.0
17	---	---	15.5	14.0	---	---	---	---	10.0	9.0	20.0	18.5
18	---	---	16.0	14.0	---	---	---	---	10.0	9.0	19.0	17.5
19	---	---	17.0	16.0	---	---	---	---	11.5	10.0	18.5	18.0
20	---	---	18.0	17.0	---	---	---	---	12.5	11.5	19.5	18.5
21	---	---	18.5	17.5	---	---	---	---	14.5	12.5	19.5	18.0
22	---	---	18.5	17.0	---	---	16.5	16.0	16.0	14.0	19.0	18.0
23	---	---	17.0	14.5	---	---	16.0	14.5	16.5	16.0	19.0	18.0
24	---	---	14.0	13.5	---	---	15.0	13.5	16.5	16.0	19.5	18.5
25	21.0	19.5	13.5	12.5	---	---	14.5	14.0	16.5	15.5	19.0	18.5
26	21.0	19.5	13.0	12.0	---	---	14.5	14.0	15.5	16.5	18.5	16.5
27	21.0	19.5	14.5	13.0	---	---	14.5	14.0	15.5	14.0	17.0	16.5
28	21.5	20.5	14.5	13.5	---	---	14.0	13.5	16.5	14.5	17.5	16.5
29	22.5	21.0	13.5	12.0	---	---	14.0	13.0	17.0	16.0	18.0	17.5
30	23.0	22.0	12.5	11.0	---	---	14.5	13.5	---	---	18.5	17.5
31	23.0	22.0	---	---	---	---	---	---	---	---	18.5	17.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	18.5	18.0	23.0	21.5	28.0	26.5	33.5	31.0	31.0	30.0	30.5	29.0
2	18.5	18.0	23.5	22.0	28.0	26.5	33.0	31.0	32.0	30.0	31.0	29.5
3	19.0	18.0	23.5	22.0	28.5	27.0	33.0	30.5	32.0	30.5	30.5	29.5
4	20.0	18.5	24.0	22.5	29.0	27.0	32.5	31.0	31.5	30.5	30.0	29.0
5	20.0	19.0	24.5	23.0	29.0	27.5	33.0	31.5	32.0	30.5	29.0	28.0
6	20.0	19.0	25.0	23.5	30.0	28.0	33.5	31.5	32.0	31.0	28.5	27.5
7	20.5	19.5	25.0	24.5	30.5	28.5	34.0	32.0	31.5	30.5	29.0	28.0
8	21.5	20.0	25.0	24.5	31.0	29.0	33.5	32.0	31.0	30.0	29.0	28.0
9	---	---	26.0	24.0	30.5	29.5	35.0	32.0	31.5	30.0	30.5	28.5
10	---	---	25.5	24.0	29.5	28.5	34.5	32.5	31.5	30.0	31.5	29.0
11	---	---	26.0	25.0	29.5	28.5	33.5	32.5	31.0	30.5	31.5	29.5
12	---	---	27.0	25.5	29.5	28.5	34.0	32.5	31.0	30.0	32.0	29.5
13	---	---	26.5	26.0	---	---	34.5	32.5	31.5	30.0	31.5	29.5
14	---	---	26.0	25.0	---	---	34.0	32.5	31.5	30.5	31.5	29.5
15	---	---	25.5	24.5	---	---	34.5	32.5	32.5	31.0	31.5	30.0
16	19.0	17.5	25.0	21.5	---	---	35.0	33.0	32.0	31.0	31.0	30.5
17	20.5	18.5	22.5	21.0	---	---	35.5	32.0	32.5	31.0	30.5	19.0
18	19.5	18.5	23.0	21.5	---	---	33.5	32.5	32.5	31.0	30.0	28.5
19	20.0	18.5	23.0	22.5	---	---	---	---	33.0	31.0	29.0	28.5
20	20.5	19.5	23.5	22.5	30.5	29.0	---	---	32.5	31.0	29.5	28.0
21	21.0	20.0	23.5	23.0	30.0	28.5	---	---	34.0	31.0	29.5	28.5
22	21.5	20.5	24.0	23.0	30.0	28.0	---	---	33.5	31.5	30.0	28.5
23	22.5	21.0	24.5	23.0	30.5	29.0	---	---	33.0	30.5	29.5	29.0
24	22.5	21.5	25.0	24.0	31.0	29.5	31.0	29.5	32.5	30.0	30.0	28.5
25	22.5	22.0	25.5	24.5	32.0	30.0	33.0	30.0	33.0	30.0	30.0	28.0
26	23.5	22.0	26.5	25.0	32.5	30.5	31.0	30.5	31.5	30.5	30.0	28.5
27	22.5	21.0	26.5	26.0	32.5	31.0	31.0	30.5	31.0	29.5	30.0	28.5
28	22.0	20.5	26.5	26.0	32.5	31.0	30.5	29.5	31.0	29.0	30.0	28.5
29	22.0	21.0	26.5	26.0	32.5	31.0	30.0	29.0	30.0	29.0	30.5	28.0
30	22.0	21.0	27.5	26.5	33.5	31.0	31.5	29.0	29.5	28.5	29.5	27.5
31	---	---	27.0	26.5	---	---	31.5	30.0	30.0	28.5	---	---

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.6	3.8			---	---			---	---	6.5	3.9
2	4.5	3.9			---	---			---	---	8.2	6.7
3	4.1	3.4			3.6	2.4			---	---	8.9	8.0
4	4.4	3.4			4.3	2.6			---	---	8.8	8.1
5	4.6	2.9			4.4	3.5			---	---	8.5	7.0
6	5.0	4.5			3.6	2.8			---	---	7.0	4.8
7	5.0	4.6			2.9	1.3			---	---	---	---
8	4.9	4.1			3.1	2.0			---	---	---	---
9	4.3	3.7			3.1	1.4			---	---	---	---
10	4.7	3.8			---	---			---	---	---	---
11	5.4	4.8			---	---			---	---	---	---
12	5.6	4.8			---	---			---	---	6.7	5.6
13	---	---			---	---			---	---	6.2	5.7
14	---	---			---	---			---	---	6.6	5.8
15	---	---			---	---			9.4	9.1	6.0	5.6
16	---	---			---	---			9.8	9.3	6.0	5.7
17	---	---			---	---			9.8	9.5	7.5	5.6
18	---	---			---	---			9.8	9.5	6.3	4.5
19	---	---			---	---			9.7	9.1	6.2	5.3
20	---	---			---	---			9.5	8.6	6.6	5.6
21	---	---			---	---			9.0	8.0	6.3	5.7
22	---	---			---	---			8.2	7.6	6.2	5.8
23	---	---			---	---			7.9	7.6	6.4	5.6
24	---	---			---	---			7.5	6.8	6.5	4.7
25	---	---			---	---			7.5	6.6	---	---
26	---	---			---	---			7.8	6.7	---	---
27	---	---			---	---			7.7	6.6	---	---
28	---	---			---	---			7.2	4.5	7.2	6.5
29	---	---			---	---			6.0	4.7	7.3	6.2
30	---	---			---	---			---	---	7.0	6.0
31	---	---			---	---			---	---	6.6	5.8

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
9	---	---	[illegible]	[illegible]	[illegible]	[illegible]						
10	---	---	[illegible]	[illegible]	[illegible]	[illegible]						
11	---	---	[illegible]	[illegible]	[illegible]	[illegible]						
12	---	---	[illegible]	[illegible]	[illegible]	[illegible]						
13	---	---	[illegible]	[illegible]	---	---						
14	---	---	[illegible]	[illegible]	[illegible]	[illegible]						
15	---	---	[illegible]	[illegible]	[illegible]	[illegible]						
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
20	[illegible]	[illegible]	[illegible]	[illegible]	---	---						
21	[illegible]	[illegible]	[illegible]	[illegible]	---	---						
22	[illegible]	[illegible]	[illegible]	[illegible]	---	---						
23	[illegible]	[illegible]	[illegible]	[illegible]	---	---						
24	[illegible]	[illegible]	[illegible]	[illegible]	---	---						
25	[illegible]	[illegible]	[illegible]	[illegible]	---	---						
26	[illegible]	[illegible]	[illegible]	[illegible]	---	---						
27	[illegible]	[illegible]	[illegible]	[illegible]	---	---						
28	[illegible]	[illegible]	[illegible]	[illegible]	---	---						
29	[illegible]	[illegible]	[illegible]	[illegible]	---	---						
30	[illegible]	[illegible]	[illegible]	[illegible]	---	---						
31	---	---	[illegible]	[illegible]	---	---						

295845091313000 BAYOU TECHE AT CHARENTON, LA (CE 64380)

LOCATION.--Lat 29°53'25", long 91°31'30", T.13 S., R.9 E., St. Mary Parish, Hydrologic Unit 08080102, 0.5 mi (0.8 km) north of Charenton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to November 1978.
CHLORIDE: October 1974 to November 1978, November 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.5°C June 25, 28, July 1, 26, 1977, July 13, 1978; minimum daily, 4.0°C Jan. 19, 1977.
CHLORIDE: Maximum daily, 1,100 mg/L Aug. 11, 1980; minimum daily, 5.0 mg/L Apr. 13, 24, 25, May 9, June 2, 1980.

EXTREMES FOR CURRENT YEAR.--
CHLORIDE: Maximum daily, 1,100 mg/L Aug. 11; minimum daily, 5.0 mg/L Apr. 13, 24, 25, May 9, June 2.

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	32	35	35	30	20	15	---	30	40	45
2		---	28	35	25	35	20	10	5.0	25	36	55
3		---	28	35	40	30	20	15	15	26	36	80
4		---	32	35	30	25	10	15	14	50	43	65
5		---	32	40	30	25	10	10	11	46	41	65
6		---	---	30	25	30	15	25	11	55	42	320
7		---	32	20	30	35	15	15	14	55	38	320
8		---	30	25	30	30	10	15	11	40	36	400
9		---	---	30	30	40	20	5.0	10	51	50	300
10		---	---	30	20	35	10	15	10	43	900	150
11		---	---	20	30	35	20	10	11	53	1100	80
12		---	30	35	25	40	15	20	15	45	290	85
13		---	30	35	25	45	5.0	25	11	38	310	80
14		---	30	30	20	50	15	15	15	38	290	80
15		---	35	50	20	40	10	15	17	35	300	60
16		---	30	35	25	60	15	20	23	30	250	75
17		---	30	50	25	65	15	15	16	35	250	60
18		---	45	45	25	35	10	15	15	36	200	60
19		---	45	30	30	25	10	20	14	36	95	60
20		---	50	30	25	30	15	10	16	34	110	60
21		---	25	30	25	25	10	15	19	32	150	60
22		30	25	30	25	25	10	10	20	40	140	50
23		32	20	25	25	35	10	15	15	32	95	55
24		30	30	40	25	25	5.0	10	17	29	75	60
25		20	---	20	25	25	5.0	10	20	41	110	50
26		30	35	65	25	25	15	15	16	35	75	85
27		28	35	40	35	30	10	10	24	34	55	90
28		26	40	35	25	20	15	---	16	36	30	76
29		32	35	35	25	20	10	15	26	30	45	80
30		34	40	40	---	25	10	10	24	31	50	72
31		---	30	30	---	30	---	10	---	---	45	---

07385790 CHARENTON DRAINAGE CANAL NEAR BALDWIN, LA (CE 64450)

LOCATION.--Lat 29°49'23", long 91°32'30", T.14 S., R.9 E., St. Mary Parish, Hydrologic Unit 08080102, about 35 ft (10.7 m) southwest of Southern Pacific Railroad bridge, 0.7 mi (1.1 km) south of Baldwin.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1958-59, 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to November 1978, March 1980 to September 1980.
CHLORIDE: October 1974 to November 1978, November 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 36.0°C July 11, 1980; minimum daily, 4.0°C Jan. 19, 1977.
CHLORIDE: Maximum daily, 680 mg/L Sep. 27, 1976; minimum daily, 5.0 mg/L Apr. 27, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 36.0°C July 11; minimum daily, 13.0°C several days during March.
CHLORIDE: Maximum daily, 600 mg/L Sep. 8; minimum daily, 5.0 mg/L Apr. 27.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						13.0	18.0	21.0	27.0	31.0	32.0	32.0
2						13.0	18.0	22.0	27.0	31.0	32.0	30.0
3						13.0	18.0	23.0	27.0	30.0	32.0	30.0
4						13.0	19.0	23.0	28.0	30.0	32.0	30.0
5						13.0	19.0	22.0	28.0	31.0	32.0	30.0
6						13.0	19.0	24.0	28.0	31.0	32.0	28.0
7						13.0	19.0	24.0	28.0	31.0	32.0	28.0
8						13.0	20.0	24.0	29.0	33.0	32.0	28.0
9						13.0	20.0	24.0	30.0	34.0	32.0	28.0
10						13.0	20.0	25.0	30.0	35.0	32.0	28.0
11						13.0	20.0	25.0	31.0	36.0	32.0	30.0
12						13.0	19.0	25.0	31.0	32.0	32.0	30.0
13						14.0	19.0	25.0	32.0	32.0	31.0	30.0
14						14.0	19.0	25.0	32.0	32.0	31.0	30.0
15						14.0	19.0	25.0	32.0	32.0	31.0	30.0
16						14.0	19.0	25.0	32.0	31.0	31.0	30.0
17						14.0	20.0	24.0	30.0	31.0	31.0	30.0
18						14.0	20.0	24.0	30.0	31.0	32.0	32.0
19						14.0	20.0	24.0	29.0	31.0	32.0	32.0
20						14.0	20.0	23.0	29.0	32.0	32.0	32.0
21						14.0	20.0	24.0	30.0	32.0	32.0	32.0
22						14.0	20.0	23.0	30.0	32.0	32.0	32.0
23						14.0	20.0	24.0	31.0	32.0	32.0	32.0
24						14.0	20.0	25.0	32.0	32.0	32.0	32.0
25						14.0	20.0	25.0	32.0	32.0	32.0	32.0
26						14.0	20.0	25.0	31.0	32.0	32.0	32.0
27						14.0	20.0	27.0	31.0	32.0	31.0	32.0
28						14.0	20.0	26.0	31.0	32.0	31.0	32.0
29						---	20.0	27.0	31.0	32.0	31.0	32.0
30						---	20.0	27.0	31.0	32.0	31.0	32.0
31						---	---	27.0	---	---	31.0	---

07385790 CHARENTON DRAINAGE CANAL NEAR BALDWIN, LA (CE 64450)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	36	30	25	30	85	10	10	21	35	50
2		---	34	30	25	25	60	10	15	18	41	37
3		---	32	28	25	25	25	10	10	30	39	64
4		---	34	28	20	25	20	15	10	51	36	75
5		---	34	34	35	25	10	10	10	51	50	65
6		---	35	32	25	25	25	10	15	51	50	550
7		---	60	32	50	15	10	15	10	53	38	550
8		---	55	24	45	35	20	10	10	51	37	600
9		---	55	22	35	---	10	10	15	49	45	250
10		---	50	26	65	50	15	10	15	46	45	240
11		---	25	22	65	30	15	15	15	39	44	65
12		---	25	28	25	40	30	10	15	46	570	65
13		---	35	26	30	20	25	25	15	42	400	70
14		---	20	30	35	25	25	20	20	54	280	65
15		---	25	28	25	35	20	15	20	31	220	65
16		---	25	30	35	35	15	20	15	30	250	55
17		---	20	32	25	30	15	15	25	32	250	---
18		---	10	36	25	30	25	15	20	34	250	70
19		---	10	32	25	35	15	15	15	34	130	65
20		---	---	32	30	30	15	10	20	40	70	65
21		32	---	30	20	30	10	15	25	35	85	65
22		32	---	22	20	25	15	10	35	47	110	60
23		28	---	24	25	25	15	10	25	38	100	60
24		32	---	35	20	25	10	10	25	33	96	55
25		30	---	35	30	25	20	10	35	33	100	50
26		30	---	25	20	25	10	15	20	31	44	50
27		28	24	35	30	20	5.0	10	21	31	60	70
28		28	32	25	25	25	15	20	25	35	55	70
29		32	28	30	25	---	10	15	21	31	50	70
30		34	---	20	---	---	10	10	24	35	46	75
31		---	28	30	---	---	---	10	---	---	49	---

07386980 VERMILION RIVER AT PERRY, LA

LOCATION.--Lat 29°57'04", long 92°09'22", in lot 61, T.12 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, at bridge on State Highway 82 at Perry, 2.0 mi (3.2 km) south of Abbeville.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year (gage height only). Unpublished gage-height records, August 1960 to September 1978, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 2.95 ft or 0.899 m (corrected) below National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum and minimum gage heights not determined.

EXTREMES FOR CURRENT YEAR.--Maximum and minimum gage heights not determined.

REVISIONS.--Revised figures of gage height for the water year 1979, superseding those published in the report for WDR 79-3, are given herein.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.94	5.13	5.24	5.10	3.66	4.95	5.64	---	9.81	3.51	5.41	5.95
2	5.11	4.45	5.72	1.35	4.64	5.06	6.41	---	8.58	4.11	5.14	5.46
3	4.89	4.42	5.69	1.91	4.62	10.10	6.16	---	7.71	4.24	5.17	5.34
4	4.91	4.60	5.21	4.24	4.43	8.82	5.63	---	7.31	4.57	5.07	5.11
5	5.01	4.70	4.29	4.28	6.14	7.42	4.51	---	7.31	4.41	5.06	4.56
6	4.65	5.46	5.24	3.69	8.82	6.08	5.35	---	7.44	4.35	4.67	4.32
7	4.00	4.29	5.22	5.51	8.76	5.56	6.04	---	7.73	4.34	4.47	4.39
8	4.60	3.53	4.93	2.66	7.00	4.98	6.22	---	7.77	4.34	4.69	4.57
9	4.98	4.47	4.73	3.10	5.49	5.28	5.78	7.94	7.34	4.30	4.64	3.91
10	4.94	5.09	3.37	4.58	5.18	5.44	6.11	8.22	7.26	4.43	4.37	4.24
11	4.78	5.19	4.46	4.53	5.24	4.51	7.72	7.91	6.00	4.22	4.09	5.27
12	5.17	4.74	3.70	4.40	5.29	4.74	7.94	7.52	3.56	3.76	3.75	5.52
13	5.33	5.11	4.46	5.06	5.06	5.11	7.00	6.41	4.30	4.04	4.00	5.11
14	3.53	5.26	3.77	2.89	5.22	4.91	5.84	5.81	3.90	5.33	4.41	5.81
15	3.89	5.06	4.78	3.08	5.00	3.91	5.61	6.20	4.54	4.59	4.62	4.34
16	5.00	5.27	4.71	4.56	4.55	4.76	5.61	5.97	4.28	4.20	4.75	3.93
17	3.89	5.17	3.82	4.21	3.61	4.80	5.63	5.94	4.61	4.31	4.80	5.12
18	4.60	3.96	4.64	3.84	4.20	5.21	5.46	5.94	4.90	4.40	4.67	5.49
19	4.57	4.66	4.55	4.25	3.44	5.10	5.73	6.76	5.37	4.92	4.72	5.52
20	4.52	4.36	4.49	4.78	4.40	4.71	---	6.53	5.10	4.70	4.72	6.50
21	4.67	4.20	4.02	3.43	4.79	5.11	---	7.04	4.92	4.74	4.60	8.30
22	4.68	4.69	3.69	2.94	4.98	5.77	---	7.20	4.49	4.75	4.39	6.00
23	4.90	5.06	4.24	4.73	7.96	6.94	---	7.44	4.49	5.39	4.59	5.25
24	4.66	3.94	4.63	7.28	8.91	4.44	---	5.93	4.19	7.50	4.44	4.96
25	4.94	4.49	2.60	5.35	7.35	4.04	---	5.40	3.72	8.40	4.60	4.63
26	5.14	4.93	4.52	5.81	4.82	5.53	---	6.04	3.47	9.41	4.79	5.06
27	4.30	6.48	4.15	4.96	5.10	6.33	---	6.10	3.81	8.85	4.73	5.20
28	3.98	5.19	4.80	3.77	5.60	6.22	---	5.88	3.76	7.74	4.91	5.36
29	4.08	5.23	5.23	4.29	---	6.62	---	5.97	4.05	6.40	5.20	5.19
30	4.42	4.72	5.53	5.26	---	6.61	---	7.10	3.49	5.74	5.53	4.84
31	4.87	---	5.34	5.78	---	6.21	---	11.16	---	5.66	6.09	---
MEAN	4.64	4.80	4.57	4.25	5.51	5.65	---	---	5.51	5.21	4.74	5.18
MAX	5.33	6.48	5.72	7.28	8.91	10.10	7.94	11.10	9.81	9.41	6.09	8.30
MIN	3.53	3.53	2.60	1.35	3.44	3.91	---	---	3.47	3.51	3.75	3.91

07386980 VERMILION RIVER AT PERRY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.60	4.21	3.96	3.12	2.15	4.31	6.16	4.80	5.82	---	---	4.98
2	4.47	4.53	3.40	4.04	4.16	.80	7.24	4.30	5.70	---	---	4.75
3	4.30	3.94	3.85	4.84	4.22	2.20	8.54	3.56	5.52	---	---	4.51
4	4.57	4.67	4.35	2.79	3.57	---	7.05	3.00	5.20	---	---	4.65
5	3.50	5.24	4.45	3.93	4.30	---	5.68	3.17	5.09	---	---	4.62
6	4.30	4.72	4.92	4.37	3.56	---	5.84	3.10	5.09	---	---	5.55
7	4.33	3.92	4.27	4.55	3.69	---	6.02	3.36	5.09	---	---	4.81
8	4.35	4.80	4.27	3.75	5.27	---	5.61	3.50	4.85	---	---	4.26
9	5.12	5.53	3.90	4.22	4.37	---	5.10	3.65	4.16	---	---	3.65
10	4.11	4.30	4.11	4.24	2.50	---	5.01	4.85	4.33	---	---	3.51
11	4.52	3.95	4.30	7.84	3.82	---	5.96	5.36	4.46	---	---	3.24
12	4.86	4.31	4.41	6.50	3.96	---	5.98	5.64	3.99	---	---	3.24
13	5.06	3.52	4.50	5.30	4.39	---	9.07	5.29	4.05	---	4.10	4.51
14	3.96	3.49	4.95	5.11	4.47	---	8.30	4.80	4.16	---	4.15	4.41
15	5.12	3.85	4.36	5.30	5.09	---	6.67	5.86	3.91	---	4.76	4.05
16	5.24	3.70	4.60	5.30	4.80	---	5.53	8.80	4.08	---	4.76	4.76
17	5.06	4.19	3.30	5.83	2.62	---	5.26	12.05	3.51	---	4.71	5.00
18	4.89	4.10	3.90	6.23	4.73	---	5.63	11.38	3.67	---	4.55	4.58
19	5.16	4.79	4.47	5.56	4.70	---	4.73	9.40	3.50	---	4.45	4.55
20	5.35	4.86	4.74	5.41	4.29	4.01	4.81	10.04	3.59	---	4.16	4.88
21	5.40	5.05	4.95	5.10	4.09	3.15	4.68	9.25	4.03	---	4.01	4.81
22	5.84	5.09	5.49	4.80	3.96	2.96	4.65	7.70	4.21	---	3.91	4.86
23	3.76	2.80	4.90	4.32	3.89	4.16	4.35	7.48	4.29	---	3.55	4.60
24	4.06	4.34	5.15	3.70	3.97	4.73	4.72	6.51	4.10	---	3.56	4.64
25	4.54	5.12	3.26	4.53	3.66	3.22	5.57	6.48	---	---	4.07	4.90
26	4.60	4.83	2.07	5.39	2.63	4.42	6.18	6.24	---	---	4.45	5.01
27	5.[illegible]	4.89	1.97	4.39	4.20	5.23	4.11	6.03	---	---	4.12	4.80
28	5.31	4.40	1.89	4.00	3.80	7.91	3.75	6.43	---	---	4.16	4.94
29	5.09	2.76	1.64	4.90	4.53	7.11	3.93	6.36	---	---	4.02	4.94
30	5.61	3.42	2.16	5.03	---	9.22	3.93	6.05	---	---	4.47	4.74
31	5.80	---	2.27	3.75	---	7.63	---	6.01	---	---	4.60	---
MEAN	4.78	4.31	3.90	4.78	3.98	---	5.66	6.14	---	---	---	4.56
MAX	5.84	5.53	5.49	7.84	5.27	9.22	9.07	12.05	5.82	---	---	5.55
MIN	3.50	2.76	1.64	2.79	2.15	---	3.75	3.00	---	---	---	3.24

295010092080100 VERMILION RIVER (NEAR BANKER) NEAR HENRY, LA (CE 67875)

LOCATION.--Lat 29°50'10", long 92°08'01", T.14 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, 4.6 mi (7.4 km) southwest of Henry.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
FEB												
29...	1500	1380	7.1	50	180	<1.0	--	66	--	K950	150	150
MAR												
31...	1345	79	6.4	120	75	<1.0	5.6	47	2.4	4600	2500	16
MAY												
01...	1425	1260	7.0	70	170	<1.0	6.6	52	1.6	K500	230	140
21...	1317	73	6.4	70	70	<1.0	3.5	21	.3	K10700	K130	20
JUN												
25...	1400	1070	6.9	60	120	<1.0	6.0	43	1.5	2100	900	110
JUL												
17...	1505	9470	7.2	5	10	<1.0	7.2	72	1.6	K280	K32	1100
AUG												
21...	1136	570	7.7	20	15	<1.0	6.5	16	2.2	K28	K16	--
SEP												
04...	1455	14800	7.6	20	35	<1.0	6.9	150	1.3	K80	K5	1700

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB												
29...	120	19	26	210	73	7.4	10	45	0	37	52	380
MAR												
31...	0	4.1	1.5	8.4	48	.9	2.6	21	0	17	5.8	11
MAY												
01...	100	17	23	200	74	7.4	8.7	38	0	31	52	350
21...	1	5.3	1.6	5.4	34	.5	2.2	23	0	19	2.8	8.8
JUN												
25...	67	17	16	160	75	6.7	6.9	50	0	41	33	270
JUL												
17...	1000	83	210	1700	76	23	95	59	0	48	380	3100
AUG												
21...	--	--	--	--	--	--	--	122	0	100	--	--
SEP												
04...	1700	130	340	2700	76	28	80	66	0	54	620	5000

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

295010092080100 VERMILION RIVER (NEAR BANKER) NEAR HENRY, LA (CE 67875)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB												
29...	280	.32	.06	.38	1.0	.210	3	1	2	0	--	<1
MAR												
31...	33	.22	.05	.27	1.1	.340	3	2	1	0	0	0
MAY												
01...	180	.42	.03	.45	2.6	.310	4	3	1	0	0	0
21...	85	.20	.04	.24	.97	.320	2	0	2	0	--	<1
JUN												
25...	146	.11	.00	.11	1.3	.460	3	2	1	0	--	<1
JUL												
17...	31	.00	.00	.00	1.1	.110	2	1	1	10	10	0
AUG												
21...	12	.21	.00	.21	--	.170	--	--	--	--	--	--
SEP												
04...	132	.00	.01	.01	.86	.110	2	1	1	--	--	10

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB												
29...	1	0	1	10	0	17	16	1	60	14	14	0
MAR												
31...	1	1	0	20	0	11	8	3	290	17	17	0
MAY												
01...	0	0	0	20	2	11	5	6	170	13	9	4
21...	1	1	0	0	0	7	5	2	130	11	11	0
JUN												
25...	0	--	<1	10	0	11	5	6	40	10	10	0
JUL												
17...	0	0	0	10	0	8	6	2	40	53	52	1
AUG												
21...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	1	1	0	50	0	15	14	1	40	6	6	0

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
FEB												
29...	.0	.0	.0	6	6	0	0	0	0	--	60	60
MAR												
31...	.1	.1	.0	7	4	3	0	0	0	1.0	110	90
MAY												
01...	.1	.1	.0	13	11	2	0	0	0	--	50	40
21...	.0	.0	.0	10	7	3	0	0	0	2.0	40	30
JUN												
25...	.1	.1	.0	16	13	3	0	0	0	--	50	40
JUL												
17...	.1	.1	.0	6	6	0	0	0	0	--	60	50
AUG												
21...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	.0	.0	.0	7	6	1	0	0	0	--	50	20

< Actual value is known to be less than the value shown.

295010092080100 VERMILION RIVER (NEAR BANKER) NEAR HENRY, LA (CE 67875)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB												
29...	4	36	.00	1	0	.0	.00	.000	.0	.000	.000	.000
MAR												
31...	20	12	.00	4	0	.0	.00	.000	.0	.000	.000	.000
MAY												
01...	10	24	.00	0	0	.0	.00	.000	.0	.000	.000	.000
21...	10	10	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JUN												
25...	7	15	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JUL												
17...	10	9.5	.00	0	0	.0	.00	.000	.0	.000	.000	.000
AUG												
21...	--	7.9	.00	16	0	.0	.00	.000	.0	.000	.000	.000
SEP												
04...	30	9.0	.01	3	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-FLDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB											
29...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
31...	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
01...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.02	.004	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
17...	.02	.006	.000	.000	.00	.000	.003	.000	.00	.00	.00
AUG											
21...	.04	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB											
29...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.96	.000
MAR											
31...	.00	.00	.00	.00	.0	.00	--	--	--	2.19	.000
MAY											
01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.53	.000
21...	.00	.00	.00	.00	.0	.00	.15	.02	.00	.840	.000
JUN											
25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.60	.000
JUL											
17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	22.9	.510
AUG											
21...	.00	.00	.00	.00	.0	.00	.03	.01	.00	62.3	5.21
SEP											
04...	.00	.00	.00	.00	.0	.00	.00	.00	.00	9.53	.000

294150092055000 VERMILION BAY AT REDFISH POINT, NEAR HENRY, LA (CE 96118)

LOCATION.--Lat 29°41'50", long 92°05'50", T.15 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, 12.9 mi (20.8 km) south-southwest of Henry.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
FEB												
29...	1445	5700	7.6	20	30	<1.0	9.4	49	.8	K40	K4	530
MAR												
31...	1330	1810	6.9	40	55	<1.0	8.3	87	.7	1200	<10	170
MAY												
01...	1410	8430	7.5	20	45	<1.0	8.5	85	1.0	K130	K50	910
21...	1344	4700	7.2	20	55	<1.0	6.8	44	.3	K120	K45	500
JUN												
25...	1410	1220	6.9	50	--	<1.0	7.0	45	.9	K120	K20	110
JUL												
17...	1445	16300	7.6	10	8	<1.0	8.1	82	1.5	K4	<2	1900
AUG												
21...	1204	16200	7.6	5	6	<1.0	7.2	8	.1	K8	<2	1800
SEP												
04...	1420	15700	7.8	10	30	<1.0	7.7	35	1.0	<10	<5	1800

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB												
29...	480	47	100	860	77	16	35	65	0	53	220	1600
MAR												
31...	140	19	30	280	77	9.3	12	33	0	27	73	510
MAY												
01...	860	66	180	1500	77	22	60	54	0	44	330	2800
21...	460	46	96	800	76	16	32	38	0	31	180	1400
JUN												
25...	86	13	20	180	76	7.3	8.5	35	0	29	41	310
JUL												
17...	1800	130	380	3000	76	30	120	68	0	56	760	5700
AUG												
21...	1700	140	360	3000	77	31	94	77	0	63	490	5500
SEP												
04...	1800	130	360	2800	77	29	40	66	0	54	720	4900

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294150092055000 VERMILION BAY AT REDFISH POINT, NEAR HENRY, LA (CE 96118)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB 29...	16	.17	.01	.18	1.0	.080	1	0	1	0	0	0
MAR 31...	160	.42	.05	.47	1.1	.170	2	2	0	0	--	<1
MAY 01...	72	.37	.01	.38	1.4	.100	2	1	1	0	0	0
21...	74	.26	.01	.27	.67	.130	1	1	0	0	0	0
JUN 25...	232	.17	.01	.18	1.2	.910	4	3	1	0	--	<1
JUL 17...	21	.00	.00	.00	--	.080	2	1	1	10	10	0
AUG 21...	38	.00	.00	.00	1.1	.080	1	0	1	0	0	0
SEP 04...	106	.00	.00	.00	.90	.120	2	1	1	0	0	0

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB 29...	1	1	0	0	0	10	10	0	30	6	6	0
MAR 31...	1	--	<1	10	0	12	10	2	40	14	14	0
MAY 01...	0	0	0	0	0	6	3	3	30	5	3	2
21...	1	0	1	0	0	6	4	2	40	8	8	0
JUN 25...	0	--	1	20	0	9	4	5	30	10	10	0
JUL 17...	0	0	0	20	0	6	3	3	40	7	7	0
AUG 21...	0	0	0	10	0	5	2	3	50	7	7	0
SEP 04...	0	0	0	10	0	6	5	1	90	5	4	1

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
FEB 29...	.0	.0	.0	3	3	0	0	0	0	40	20	20
MAR 31...	.0	.0	.0	14	14	0	0	0	0	40	40	4
MAY 01...	--	--	.0	7	2	5	0	0	0	20	10	10
21...	.0	.0	.0	7	7	0	0	0	0	20	10	10
JUN 25...	.1	.1	.0	9	6	3	0	0	0	50	50	5
JUL 17...	.1	.1	.0	4	1	3	0	0	0	30	10	20
AUG 21...	.0	.0	.0	9	7	2	0	0	0	30	20	10
SEP 04...	.0	--	.1	5	4	1	0	0	0	40	30	10

< Actual value is known to be less than the value shown.

294150092055000 VERMILION BAY AT REDFISH POINT, NEAR HENRY, LA (CE 96118)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB 29...	9.8	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 31...	13	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY 01...	13	.00	2	0	.0	.00	.000	.0	.000	.000	.000
21...	7.5	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JUN 25...	15	.00	4	0	.0	.00	.000	.0	.000	.000	.000
JUL 17...	7.1	.00	7	0	.0	.00	.000	.0	.000	.000	.000
AUG 21...	5.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000
SEP 04...	8.8	.00	0	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB 29...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 31...	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 01...	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 17...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB 29...	.00	.00	.00	.00	.0	.00	.01	.00	.00	15.7	.000
MAR 31...	.00	.00	.00	.00	.0	.00	.04	.04	.01	6.35	.000
MAY 01...	.00	.00	.00	.00	.0	.00	.05	.00	.00	2.62	.000
21...	.00	.00	.00	.00	.0	.00	.04	.01	.01	1.12	.160
JUN 25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.80	.000
JUL 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.1	.000
AUG 21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.08	.000
SEP 04...	.00	.00	.00	.00	.0	.00	.00	.00	.00	17.7	.000

294110091533000 VERMILION BAY AT CYPREMORT POINT, NEAR LOUISA, LA (CE 88850)

LOCATION.--Lat 29°41'10", long 91°53'30", R.6 E., T.15 S., Iberia Parish, Hydrologic Unit 08080103, at Cypremort Point, 13 mi (21 km) south of Avery Island, 8 mi (13 km) southwest of Louisa.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1977 to current year.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 30.0°C Sep. 25-30, 1980; minimum, 1.0°C Feb. 1, 1979.
CHLORIDE: Maximum, 6,800 mg/L Aug. 9, 1980; minimum, 100 mg/L Feb. 28, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 30.0°C Sep. 25-30; minimum, 15.0°C Nov. 16-21.
CHLORIDE: Maximum, 6,800 mg/L Aug. 9; minimum, 850 mg/L May 21.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
FEB												
29...	1515	5240	7.6	20	20	<1.0	--	55	--	K10	K4	540
MAR												
31...	1400	3950	7.4	20	60	<1.0	8.5	92	.5	760	K20	390
MAY												
01...	1430	1460	7.4	60	90	<1.0	8.5	51	1.0	<10	K60	140
21...	1401	5820	7.4	15	30	<1.0	7.6	39	.3	K90	K30	610
JUN												
25...	1415	1220	6.8	60	--	<1.0	7.0	42	.3	K80	K25	110
JUL												
17...	1450	15740	7.5	5	8	<1.0	8.3	93	1.8	K4	<2	1900
AUG												
21...	1118	16700	7.4	10	8	<1.0	7.0	31	.4	<4	<2	1900
SEP												
04...	1430	15800	7.7	20	30	<1.0	7.6	73	.8	<10	<5	1800

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
FEB												
29...	480	46	100	900	77	17	33	67	0	55	210	1700
MAR												
31...	340	40	70	600	76	13	26	60	0	49	150	1100
MAY												
01...	100	20	23	250	78	9.0	8.5	51	0	42	40	430
21...	580	48	120	970	76	17	41	46	0	38	240	1700
JUN												
25...	87	13	20	190	77	7.7	9.2	34	0	28	43	[illegible]
JUL												
17...	1800	130	380	2900	76	29	120	69	0	57	820	5100
AUG												
21...	1800	140	370	3100	77	31	100	65	0	53	740	5600
SEP												
04...	1700	130	350	2900	77	30	58	65	0	53	470	5700

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294120091533000 VERMILION BAY AT CYPREMORT POINT, NEAR LOUISA, LA (CE 88850)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB												
29...	6	.23	.01	.24	.90	.070	1	0	1	0	0	0
MAR												
31...	62	.50	.01	.51	1.0	.160	1	1	0	0	0	0
MAY												
01...	48	.50	.02	.52	1.8	.240	3	2	1	0	--	<1
21...	38	.38	.01	.39	.71	.110	1	0	1	0	0	0
JUN												
25...	238	.16	.02	.18	1.3	.300	4	3	1	0	--	<1
JUL												
17...	30	.00	.00	.00	3.4	.100	2	0	2	10	10	0
AUG												
21...	19	.00	.00	.00	1.3	.090	1	0	1	0	0	0
SEP												
04...	116	.00	.01	.01	.87	.120	2	1	1	10	10	0

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB												
29...	1	1	0	0	0	7	7	0	30	6	6	0
MAR												
31...	1	1	0	20	0	7	5	2	50	6	6	0
MAY												
01...	0	--	<1	0	0	11	7	4	80	6	6	0
21...	1	0	1	0	0	5	4	1	40	8	6	2
JUN												
25...	0	--	<1	20	0	8	1	7	30	8	8	0
JUL												
17...	0	0	0	20	0	8	6	2	50	8	8	0
AUG												
21...	1	1	0	50	0	8	3	5	40	2	1	1
SEP												
04...	1	1	0	40	0	7	6	1	70	2	2	0

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
FEB												
29...	.0	--	.1	1	1	0	0	0	0	20	0	20
MAR												
31...	.0	.0	.0	3	0	3	0	0	0	20	10	10
MAY												
01...	.0	.0	.0	8	8	0	0	0	0	30	30	4
21...	.0	.0	.0	13	13	0	0	0	0	20	0	20
JUN												
25...	.1	.1	.0	10	8	2	0	0	0	40	30	6
JUL												
17...	.1	.1	.0	4	4	0	0	0	0	40	30	10
AUG												
21...	.0	--	.1	4	1	3	0	0	0	40	30	10
SEP												
04...	.0	.0	.0	5	4	1	0	0	0	40	30	10

< Actual value is known to be less than the value shown.

294110091533000 VERMILION BAY AT CYPREMORT POINT, NEAR LOUISA, LA (CE 88850)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB											
29...	8.3	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR											
31...	8.0	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY											
01...	21	.00	0	0	--	--	--	--	--	--	--
21...	7.7	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JUN											
25...	14	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL											
17...	6.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000
AUG											
21...	5.8	.00	1	0	.0	.00	.000	.0	.000	.000	.000
SEP											
04...	7.7	.00	0	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB											
29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
31...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
01...	--	--	--	--	--	--	--	--	--	--	--
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
17...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB											
29...	.00	.00	.00	.00	.0	.00	.02	.00	.00	22.0	.000
MAR											
31...	.00	.00	.00	.00	.0	.00	.22	.00	.19	4.13	.000
MAY											
01...	--	--	--	--	--	--	--	--	--	10.6	.000
21...	.00	.00	.00	.00	.0	.00	.36	.03	.11	1.17	.000
JUN											
25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.26	.000
JUL											
17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	14.0	.000
AUG											
21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.01	.000
SEP											
04...	.00	.00	.00	.00	.0	.00	.00	.00	.00	19.2	.000

MISSISSIPPI RIVER DELTA

294110091533000 VERMILION BAY AT CYPREMORT POINT, NEAR LOUISA, LA (CE 88850)--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---						---	27.0	28.0	28.0	28.0
2		---						---	27.0	28.0	28.0	28.0
3		---						---	27.0	28.0	28.0	28.0
4		---						---	27.0	29.0	28.0	28.0
5		---						---	27.0	29.0	28.0	28.0
6		---						---	---	29.0	28.0	29.0
7		18.0						---	---	30.0	28.0	29.0
8		16.0						---	---	30.0	28.0	29.0
9		16.0						---	---	30.0	28.0	29.0
10		18.0						---	---	30.0	28.0	29.0
11		18.0						---	---	29.0	28.0	29.0
12		18.0						---	---	29.0	28.0	29.0
13		16.0						24.0	---	29.0	29.0	29.0
14		16.0						25.0	---	29.0	29.0	29.0
15		16.0						24.0	---	29.0	29.0	29.0
16		15.0						23.0	---	29.0	29.0	29.0
17		15.0						23.0	---	28.0	29.0	29.0
18		15.0						23.0	---	28.0	29.0	29.0
19		15.0						23.0	---	28.0	29.0	29.0
20		15.0						23.0	---	28.0	29.0	29.0
21		15.0						23.0	---	28.0	29.0	29.0
22		---						24.0	---	28.0	29.0	29.0
23		---						24.0	---	28.0	29.0	29.0
24		16.0						25.0	---	28.0	29.0	29.0
25		16.0						25.0	28.0	29.0	29.0	30.0
26		---						26.0	28.0	29.0	29.0	30.0
27		---						27.0	28.0	29.0	29.0	30.0
28		---						26.0	28.0	29.0	29.0	30.0
29		---						26.0	28.0	29.0	29.0	30.0
30		---						26.0	28.0	29.0	29.0	30.0
31		---						---	---	29.0	29.0	---

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---						---	1100	5900	6000	5400
2		---						---	900	4700	5800	5000
3		---						---	950	5000	6000	4900
4		---						---	1000	4700	6100	6200
5		---						---	1000	4700	5700	5500
6		---						---	---	6000	5700	5700
7		3200						---	---	6000	5300	5600
8		3100						---	---	5900	6100	5600
9		3200						---	---	6000	6800	5600
10		2800						---	---	5600	5700	4500
11		3300						---	---	5800	6000	5300
12		---						---	---	5600	5700	4900
13		3500						2000	---	6200	5600	4900
14		3300						2200	---	6100	5600	5200
15		3300						1400	---	6100	5600	5300
16		2800						2000	---	6200	5300	4200
17		3200						2200	---	6600	5400	4600
18		3200						2100	---	6300	5300	4300
19		3100						2200	---	6100	5300	3600
20		3300						2300	---	6400	5500	4800
21		3300						850	---	6400	5500	4800
22		---						900	---	6400	5500	4900
23		---						1300	---	6400	5300	5000
24		3200						1300	---	6500	5500	4500
25		3300						1300	4300	6500	5200	4400
26		---						1100	1700	6000	5200	5000
27		---						1300	1700	5900	5300	5000
28		---						1300	4300	5900	5500	5000
29		---						1200	4400	5900	5500	4800
30		---						1200	5800	6000	5300	5000
31		---						---	---	6000	5300	---

294700092114000 INTRACOASTAL WATERWAY AT VERMILION LOCK (EAST), NEAR INTRACOASTAL CITY, LA (CE 76720)

LOCATION.--Lat 29°47'00", long 92°11'40", T.14 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, north bank at east end of lock and 2.3 mi (3.7 km) west of Intracoastal City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to September 1980.
CHLORIDE: October 1974 to October 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 35.0°C July 26, Aug. 1, 1977; minimum daily, 7.0°C Feb. 6, 1977, Jan. 19, 21, 22, 23, 1978.
CHLORIDE: Maximum daily, 5,600 mg/L Oct. 20, 1976, Aug. 9, 1980; minimum daily, 8.0 mg/L July 13, 14, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 31.0°C several days during June and July; minimum daily, 9.0°C Feb. 18.
CHLORIDE: Maximum daily, 5,600 mg/L Aug. 9; minimum daily, 10 mg/L several days during May and June.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
FEB												
29...	1455	1370	7.1	50	180	<1.0	7.9	65	.8	K100	K140	140
MAR												
31...	1335	101	6.4	80	75	<1.0	5.5	49	1.8	5000	480	25
MAY												
01...	1420	1250	7.0	70	170	<1.0	6.6	50	1.7	K600	210	140
21...	1337	142	6.6	80	70	<1.0	4.6	51	1.9	K280	175	24
JUN												
25...	1355	296	6.4	140	170	<1.0	5.9	42	1.1	K360	K160	40
JUL												
17...	1455	8720	7.1	10	15	<1.0	5.0	61	1.4	K60	K12	980
AUG												
21...	1150	13000	7.0	15	10	<1.0	6.1	240	1.1	180	K38	1500
SEP												
04...	1445	14800	7.8	15	40	<1.0	6.8	46	1.2	K140	<5	1700

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB												
29...	110	18	24	220	75	8.0	10	44	0	36	54	390
MAR												
31...	9	4.9	3.2	24	64	2.1	3.1	20	0	16	9.2	30
MAY												
01...	110	18	23	210	75	7.7	9.4	40	0	33	51	360
21...	2	4.8	2.8	17	58	1.5	2.3	26	0	21	9.4	26
JUN												
25...	16	7.1	5.3	38	66	2.6	2.9	29	0	24	12	53
JUL												
17...	940	81	190	1600	76	22	73	59	0	48	380	2800
AUG												
21...	1500	130	290	2300	76	26	79	58	0	48	600	4200
SEP												
04...	1700	130	340	2700	76	28	93	66	0	54	740	4900

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294700092114000 INTRACOASTAL WATERWAY AT VERMILION LOCK (EAST), NEAR INTRACOASTAL CITY, LA (CE 76720)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB												
29...	280	.36	.05	.41	1.2	.230	3	2	1	0	--	<1
MAR												
31...	236	.20	.05	.25	1.0	.340	3	2	1	0	--	<1
MAY												
01...	274	.38	.03	.41	2.3	.290	3	2	1	0	--	<1
21...	62	.17	.03	.20	.74	.210	2	1	1	0	--	<1
JUN												
25...	114	.08	.02	.10	1.6	.400	3	2	1	0	--	<1
JUL												
17...	40	.00	.00	.00	--	.090	2	0	2	0	0	0
AUG												
21...	34	.00	.00	.00	1.3	.060	1	0	1	0	0	0
SEP												
04...	144	.00	.01	.01	.91	.100	2	1	1	0	0	0

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB												
29...	1	0	1	10	0	14	14	0	100	14	14	0
MAR												
31...	0	--	<1	0	0	9	7	2	160	13	13	0
MAY												
01...	0	--	<1	0	0	12	8	4	160	18	16	2
21...	1	1	0	0	0	7	4	3	180	11	9	2
JUN												
25...	0	--	<1	20	0	11	5	6	120	12	12	0
JUL												
17...	0	0	0	10	0	5	2	3	40	20	20	0
AUG												
21...	1	1	0	50	0	16	12	4	40	3	3	0
SEP												
04...	0	0	0	50	1	12	11	1	40	6	5	1

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
FEB												
29...	.0	.0	.0	6	6	0	0	0	0	--	60	60
MAR												
31...	.0	.0	.0	6	6	0	0	0	0	1.0	30	30
MAY												
01...	.0	.0	.0	16	11	5	0	0	0	--	60	60
21...	.0	.0	.0	9	9	0	0	0	0	1.0	40	30
JUN												
25...	.1	.1	.0	12	9	3	0	0	0	1.0	50	40
JUL												
17...	.1	.1	.0	4	1	3	0	0	0	--	40	30
AUG												
21...	.0	.0	.0	6	3	3	0	0	0	--	50	30
SEP												
04...	.0	.0	.0	12	11	1	0	0	0	--	70	60

< Actual value is known to be less than the value shown.

294700092114000 INTRACOASTAL WATERWAY AT VERMILION LOCK (EAST), NEAR INTRACOASTAL CITY, LA (CE 76720)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB												
29...	3	18	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR												
31...	<3	12	.00	3	0	.0	.00	.000	.0	.000	.000	.000
MAY												
01...	<3	25	.00	2	0	.0	.00	.000	.0	.000	.000	.000
21...	10	11	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN												
25...	10	17	.00	6	0	.0	.00	.000	.0	.000	.000	.000
JUL												
17...	10	8.7	.00	4	0	.0	.00	.000	.0	.000	.000	.000
AUG												
21...	20	10	.00	4	0	.0	.00	.000	.0	.000	.000	.000
SEP												
04...	10	8.3	.00	0	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB											
29...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
31...	.02	.003	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
01...	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
25...	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
17...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB											
29...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.47	.000
MAR											
31...	.00	.00	.00	.00	.0	.00	.07	.01	.00	2.24	.000
MAY											
01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.94	.000
21...	.00	.00	.00	.00	.0	.00	.13	.01	.00	1.88	.000
JUN											
25...	.00	.00	.00	.00	.0	.00	--	--	--	10.4	.000
JUL											
17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	22.0	.000
AUG											
21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	18.3	.460
SEP											
04...	.00	.00	.00	.00	.0	.00	.00	.00	.00	10.2	.000

< Actual value is known to be less than the value shown.

294700092114000 INTRACOASTAL WATERWAY AT VERMILION LOCK (EAST), NEAR INTRACOASTAL CITY, LA (CE 76720)--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	13.0	10.5	16.0	19.0	22.0	28.0	31.0	29.0	28.0
2			---	12.0	10.5	12.0	19.0	24.0	28.0	31.0	29.0	27.0
3			---	12.0	11.0	12.0	20.0	23.0	28.0	31.0	29.0	27.0
4			10.0	12.0	11.0	12.0	20.0	24.0	28.0	31.0	29.0	27.0
5			12.0	12.0	11.0	11.5	20.0	24.0	28.0	31.0	29.0	27.0
6			13.0	12.0	11.0	13.0	20.0	24.0	28.0	---	29.0	27.0
7			13.0	13.0	11.0	13.5	21.0	24.0	28.0	31.0	29.0	27.0
8			13.0	12.0	11.5	16.0	20.0	26.0	28.0	31.0	29.0	27.0
9			13.0	---	11.5	16.0	20.0	23.0	29.0	31.0	29.0	27.0
10			13.0	13.0	---	17.5	21.0	25.0	29.0	31.0	29.0	27.0
11			13.0	14.0	10.0	18.0	21.0	26.0	29.0	31.0	29.0	27.0
12			16.0	15.0	10.5	19.0	22.0	25.0	29.0	31.0	29.0	27.0
13			16.0	14.0	10.0	---	20.0	26.0	27.0	31.0	29.0	29.0
14			12.0	14.0	11.0	19.0	---	24.0	27.0	31.0	29.0	29.0
15			11.0	14.5	11.0	18.5	---	24.0	28.0	31.0	29.0	29.0
16			13.0	16.5	12.0	19.0	18.0	22.0	28.0	31.0	29.0	29.0
17			13.0	15.5	10.0	19.0	19.0	22.0	29.0	31.0	29.0	29.0
18			12.0	15.5	9.0	19.0	20.0	22.0	29.0	31.0	29.0	29.0
19			12.0	16.0	10.0	17.0	20.0	24.0	29.0	31.0	29.0	29.0
20			12.0	16.0	14.0	17.0	21.0	24.0	30.0	31.0	29.0	29.0
21			12.0	17.0	14.0	18.0	22.0	24.0	30.0	31.0	29.0	29.0
22			---	---	15.0	17.0	22.0	26.0	30.0	31.0	29.0	29.0
23			---	12.0	15.0	17.0	23.0	26.0	30.0	31.0	29.0	29.0
24			14.0	14.5	15.0	18.0	23.0	26.0	30.0	31.0	29.0	29.0
25			---	15.0	15.0	18.0	23.0	26.0	30.0	28.0	29.0	28.0
26			14.0	15.5	15.0	17.0	23.0	26.0	30.0	28.0	29.0	28.0
27			11.0	15.0	15.0	17.0	23.0	26.0	30.0	28.0	29.0	28.0
28			13.0	15.0	---	17.0	23.0	26.0	31.0	28.0	29.0	28.0
29			13.0	15.0	---	18.0	23.0	26.0	31.0	28.0	29.0	28.0
30			13.0	15.0	---	18.0	22.0	26.0	31.0	28.0	29.0	---
31			13.0	10.0	---	18.0	---	26.0	---	28.0	29.0	---

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	180	55	120	400	75	10	120	1800	4600
2			---	290	20	---	300	100	15	90	1700	4500
3			---	150	60	---	150	40	10	75	1800	4700
4			220	120	40	---	50	30	10	140	2200	5200
5			110	220	40	900	15	45	15	220	2700	5200
6			230	400	55	650	25	25	15	---	2700	4800
7			200	410	45	1000	20	25	15	970	2600	4600
8			190	400	200	1000	15	---	10	950	4100	4700
9			180	---	200	850	20	35	15	1200	5600	4300
10			190	450	---	550	20	35	10	1400	5300	4600
11			260	350	210	1000	20	160	20	1400	4700	3800
12			280	300	190	1100	20	370	15	1400	4200	3500
13			340	---	250	---	---	950	15	1500	4100	3200
14			290	---	260	1200	20	800	15	2000	4300	3000
15			270	350	250	1000	20	350	15	2000	4700	2800
16			230	300	230	900	15	---	20	1900	4800	2800
17			170	300	250	900	15	350	10	1900	4600	3200
18			100	250	300	1600	20	50	45	2100	4500	3200
19			100	200	260	950	20	30	20	2400	4500	3300
20			280	150	240	950	20	15	---	2400	4500	3700
21			460	100	290	1400	15	10	45	2700	3700	3700
22			---	95	45	1100	20	---	---	2700	3200	4100
23			620	50	50	950	30	10	50	2800	2900	4200
24			500	45	35	1300	30	15	55	2500	3300	4200
25			---	80	35	1600	30	10	---	2800	3100	4400
26			400	60	90	1200	75	15	35	3000	3100	4600
27			350	80	170	1000	55	10	25	3000	3200	4600
28			350	45	---	1100	25	15	40	3000	3900	4700
29			300	30	---	950	55	10	110	2700	4000	4700
30			200	30	---	500	25	10	120	2300	4300	---
31			150	35	---	750	---	10	---	1900	4500	---

294705092115300 INTRACOASTAL WATERWAY AT VERMILION LOCK (WEST), NEAR INTRACOASTAL CITY, LA (CE 76800)

LOCATION.--Lat 29°47'05", long 92°11'53", T.14 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, on north bank at west end of lock and 2.5 mi (4.0 km) west of Intracoastal City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to September 1980.
CHLORIDE: October 1974 to October 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 35.0°C July 26, Aug. 1, 1977; minimum daily, 6.0°C Jan. 21, 1978.
CHLORIDE: Maximum daily, 5,300 mg/L Aug. 11, 1980; minimum daily, 3.0 mg/L July 15, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C several days during July; minimum daily, 10.0°C Dec. 25, Feb. 2, 3, 4, 10, 11, 12.
CHLORIDE: Maximum daily, 5,300 mg/L Aug. 11; minimum daily, 5.0 mg/L May 26.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
FEB												
29...	1450	1410	7.1	50	280	<1.0	8.0	84	.7	740	K100	140
MAR												
31...	1340	79	6.5	80	75	<1.0	5.4	48	2.7	K3800	3300	17
MAY												
01...	1415	1270	7.0	70	170	<1.0	6.8	53	1.9	K450	210	140
21...	1330	80	6.3	80	70	<1.0	4.6	28	1.6	680	K120	19
JUN												
25...	1350	297	6.5	200	180	<1.0	5.8	44	1.2	440	K140	40
JUL												
17...	1500	8540	6.9	10	15	<1.0	5.4	76	1.3	K48	K16	1000
AUG												
21...	1155	10900	7.2	20	25	<1.0	6.9	73	.9	K44	52	1200
SEP												
04...	1440	14900	7.7	30	45	--	6.9	--	.8	K100	K5	--

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB												
29...	110	17	24	220	76	8.1	10	44	0	36	53	390
MAR												
31...	0	4.2	1.6	9.8	51	1.0	2.6	21	0	17	6.6	14
MAY												
01...	110	18	24	200	74	7.3	9.2	40	0	33	55	370
21...	3	4.0	2.1	9.8	50	1.0	1.9	19	0	16	6.4	11
JUN												
25...	16	7.1	5.4	38	65	2.6	2.7	29	0	24	11	61
JUL												
17...	980	82	200	1600	76	22	74	63	0	52	370	2800
AUG												
21...	1200	99	230	1900	76	24	71	52	0	43	440	3600
SEP												
04...	--	--	--	--	--	--	--	65	0	53	--	--

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294705092115300 INTRACOASTAL WATERWAY AT VERMILION LOCK (WEST), NEAR INTRACOASTAL CITY, LA (CE 76800)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB 29...	308	.33	.05	.38	1.6	.240	3	2	1	0	--	<1
MAR 31...	21	.22	.05	.27	2.0	.340	3	2	1	0	0	0
MAY 01...	160	.38	.03	.41	2.2	.290	4	3	1	0	0	0
21...	35	.24	.03	.27	.71	.230	2	1	1	0	--	<1
JUN 25...	304	.07	.03	.10	1.6	.520	4	3	1	0	--	<1
JUL 17...	62	.08	.01	.09	2.9	.130	2	0	2	0	0	0
AUG 21...	56	.04	.01	.05	2.3	.060	1	0	1	0	0	0
SEP 04...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB 29...	1	0	1	10	0	17	17	0	40	19	19	0
MAR 31...	1	1	0	20	0	13	10	3	270	13	13	0
MAY 01...	0	0	0	20	1	10	4	6	120	13	10	3
21...	1	1	0	0	0	5	3	2	120	11	11	0
JUN 25...	0	--	<1	10	0	10	4	6	70	11	11	0
JUL 17...	9	6	3	10	0	18	10	8	40	45	45	0
AUG 21...	1	1	0	40	0	41	38	3	30	21	21	0
SEP 04...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
FEB 29...	.0	--	.1	9	9	0	0	0	0	--	60	60
MAR 31...	.0	.0	.0	5	1	4	0	0	0	1.0	50	50
MAY 01...	.1	.1	.0	31	29	2	0	0	0	--	50	40
21...	.0	.0	.0	8	6	2	0	0	0	3.0	30	20
JUN 25...	.1	.1	.0	10	7	3	0	0	0	1.0	30	20
JUL 17...	.1	.1	.0	9	5	4	0	0	0	--	480	220
AUG 21...	.0	.0	.0	6	3	3	0	0	0	--	200	190
SEP 04...	--	--	--	--	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.

294705092115300 INTRACOASTAL WATERWAY AT VERMILION LOCK (WEST), NEAR INTRACOASTAL CITY, LA (CE 76800)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB 29...	<3	17	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 31...	0	12	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY 01...	10	24	.00	3	0	.0	.00	.000	.0	.000	.000	.000
21...	10	9.8	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN 25...	10	16	.00	4	0	.0	.00	.000	.0	.000	.000	.000
JUL 17...	260	13	.01	12	0	.0	.00	.000	.0	.000	.000	.000
AUG 21...	10	11	.00	4	0	.0	.00	.000	.0	.000	.000	.000
SEP 04...	--	--	--	--	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB 29...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 31...	.02	.004	.000	.000	.00	.000	.000	.000	.00	.00	.01
MAY 01...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.01	.004	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 17...	.01	.004	.000	.000	.00	.000	.000	.004	.00	.00	.00
AUG 21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB 29...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.58	.000
MAR 31...	.00	.00	.00	.00	.0	.00	.07	.00	.00	2.08	.000
MAY 01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.63	.000
21...	.00	.00	.00	.00	.0	.00	--	--	--	2.62	.000
JUN 25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.53	.000
JUL 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	23.0	.000
AUG 21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	20.4	.000
SEP 04...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.4	.000

< Actual value is known to be less than the value shown.

294705092115300 INTRACOASTAL WATERWAY AT VERMILION LOCK (WEST), NEAR INTRACOASTAL CITY, LA (CE 76800)--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	13.0	11.0	16.0	18.5	24.0	23.0	30.0	27.0	21.0
2			---	12.0	11.0	11.5	18.0	24.0	23.0	30.0	27.0	21.0
3			---	13.0	10.0	13.0	20.0	24.0	23.0	30.0	27.0	21.0
4			13.0	14.0	10.0	12.0	20.0	24.0	24.0	30.0	27.0	21.0
5			12.0	13.0	10.0	12.0	19.0	24.0	24.0	30.0	27.0	21.0
6			13.0	13.0	13.0	16.5	19.5	24.0	24.0	30.0	27.0	21.0
7			13.0	14.0	12.5	16.0	20.0	24.0	24.0	30.0	27.0	21.0
8			13.0	13.0	13.0	16.5	---	24.0	26.0	30.0	27.0	21.0
9			13.0	13.0	12.5	16.0	20.0	24.0	26.0	30.0	27.0	22.0
10			13.0	14.0	10.0	17.5	20.5	24.0	26.0	30.0	27.0	22.0
11			13.0	14.0	10.0	17.0	20.5	24.0	26.0	30.0	27.0	22.0
12			16.0	14.0	10.0	19.5	22.0	24.0	27.0	30.0	27.0	22.0
13			14.0	15.0	12.0	18.5	21.5	23.0	27.0	30.0	27.0	22.0
14			14.0	14.0	13.0	18.5	21.0	23.0	27.0	30.0	27.0	22.0
15			14.0	14.5	13.0	18.5	---	23.0	27.0	30.0	27.0	22.0
16			14.0	14.5	13.0	19.0	18.0	23.0	27.0	30.0	28.0	22.0
17			12.0	15.0	13.0	19.5	18.0	23.0	27.0	30.0	28.0	22.0
18			12.0	16.0	13.0	16.0	19.0	23.0	27.0	30.0	28.0	22.0
19			12.0	17.0	14.0	17.0	19.0	23.0	27.0	30.0	28.0	22.0
20			14.0	17.0	14.0	19.0	19.0	23.0	29.0	30.0	28.0	22.0
21			12.0	17.5	14.0	17.0	19.0	23.0	29.0	30.0	28.0	22.0
22			14.0	18.5	14.0	17.0	25.0	23.0	29.0	30.0	28.0	22.0
23			14.0	13.5	14.0	17.0	25.0	23.0	29.0	30.0	28.0	22.0
24			14.0	15.0	14.0	17.5	25.0	23.0	30.0	30.0	28.0	22.0
25			10.0	15.5	14.0	---	24.0	23.0	29.0	29.0	29.0	22.0
26			13.0	15.5	---	---	24.0	23.0	29.0	29.0	29.0	22.0
27			13.0	15.0	---	---	24.0	23.0	29.0	29.0	29.0	22.0
28			13.0	14.5	15.0	---	24.0	23.0	29.0	29.0	29.0	22.0
29			13.0	14.5	15.0	---	24.0	23.0	29.0	29.0	29.0	22.0
30			12.0	15.5	---	---	24.0	23.0	29.0	29.0	29.0	22.0
31			13.0	---	---	---	---	23.0	---	29.0	29.0	---

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	120	40	100	450	40	15	120	1700	4500
2			---	85	30	---	150	25	10	75	1600	4400
3			---	210	30	---	50	30	15	65	1800	4600
4			110	80	35	770	35	40	---	110	1800	4700
5			110	60	40	850	15	70	10	200	2200	5100
6			160	180	30	550	20	230	15	830	2400	5100
7			190	400	30	1000	25	500	15	800	2800	4500
8			140	400	230	1100	---	350	10	850	2600	4500
9			110	400	250	750	20	350	20	1100	3100	4800
10			130	350	200	350	20	50	15	1300	5000	4200
11			230	400	160	500	20	35	15	1400	5300	3500
12			260	350	150	500	15	25	20	1800	5000	3200
13			320	300	190	1100	---	25	20	1700	4300	3300
14			290	200	250	1100	15	45	15	1700	4400	2900
15			250	250	250	850	15	20	15	1900	4200	2900
16			220	250	210	850	20	---	15	1900	4700	2800
17			160	250	240	1000	20	---	15	1800	4400	2900
18			100	250	240	900	15	---	15	1900	4600	2500
19			---	250	260	950	20	10	20	2300	4500	3200
20			250	200	240	1200	25	10	50	2400	4700	3600
21			430	50	230	1100	20	10	50	2500	4400	3600
22			400	50	220	1300	30	15	80	2700	3300	4000
23			560	35	230	1400	55	20	35	1400	2700	4000
24			600	25	230	1100	45	15	65	2300	2600	4100
25			600	30	250	---	70	10	---	2700	3100	4500
26			500	25	---	---	25	5.0	20	3000	2900	4400
27			300	30	---	---	70	10	20	2900	2800	4500
28			350	35	25	---	15	15	20	2900	3100	4400
29			200	25	50	---	25	15	120	2700	4100	4600
30			300	30	---	---	20	10	120	2400	4200	4500
31			150	45	---	---	---	10	---	1800	4300	---

294528092154801 SCHOONER BAYOU (INLAND WATERWAY) EAST OF CONTROL STRUCTURE, NEAR FORKED ISLAND, LA (CE 76600)

LOCATION.--Lat 29°45'28", long 92°15'48", T.15 S., R.2 E., Vermilion Parish, Hydrologic Unit 08090202, at southeast fender of structure, 5.4 mi (8.7 km) southeast of Forked Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to September 1980.
CHLORIDE: October 1974 to October 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 19-24, 1980; minimum daily, 1.0°C Jan. 10, 1977.
CHLORIDE: Maximum daily, 7,200 mg/L Oct. 30, 1976; minimum daily, 25 mg/L June 9, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 19-24; minimum daily, 6.0°C Feb. 1.
CHLORIDE: Maximum daily, 6,700 mg/L Aug. 10; minimum daily, 25 mg/L June 9.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	10.0	6.0	16.0	18.5	21.0	27.0	30.0	31.0	29.0
2			---	11.0	10.0	11.0	19.5	23.0	27.0	30.0	31.0	28.0
3			---	12.0	9.0	9.0	20.0	23.0	27.0	30.0	31.0	28.0
4			10.0	10.0	8.0	12.0	19.5	23.0	27.0	30.0	31.0	28.0
5			11.0	9.0	9.0	12.0	18.0	24.0	28.0	30.0	31.0	28.0
6			13.0	11.0	11.0	12.5	19.0	25.0	28.0	30.0	31.0	29.0
7			12.0	14.0	10.0	15.5	20.0	23.0	28.0	31.0	31.0	28.0
8			11.0	12.0	11.0	16.5	21.0	25.0	29.0	31.0	31.0	28.0
9			11.0	13.0	11.0	17.0	19.0	23.0	28.0	31.0	31.0	28.0
10			12.0	13.5	9.0	19.0	19.0	24.0	27.0	31.0	31.0	28.0
11			14.0	14.0	8.0	20.0	22.0	25.0	26.0	31.0	31.0	28.0
12			16.0	15.0	9.0	21.0	23.0	25.0	26.0	31.0	31.0	28.0
13			17.0	14.0	9.0	20.0	---	25.0	27.0	31.0	30.0	28.0
14			15.0	15.0	13.0	19.0	14.5	25.0	27.0	31.0	30.0	28.0
15			11.0	16.0	13.0	18.5	17.0	23.0	27.0	31.0	30.0	28.0
16			13.0	17.0	7.0	19.5	19.0	24.0	28.0	31.0	29.0	28.0
17			9.0	17.5	7.0	19.5	19.0	22.0	28.0	31.0	29.0	28.0
18			9.0	17.0	14.0	17.0	19.0	23.0	28.0	31.0	29.0	28.0
19			10.0	16.0	14.0	16.5	19.0	25.0	29.0	32.0	29.0	28.0
20			10.0	17.0	14.0	20.0	19.0	22.0	29.0	32.0	29.0	28.0
21			11.0	18.0	14.0	19.0	21.0	24.0	27.0	32.0	29.0	28.0
22			14.0	19.0	16.0	17.0	22.0	25.0	28.0	32.0	29.0	28.0
23			15.0	11.0	18.0	18.0	22.0	25.0	28.0	32.0	29.0	27.0
24			15.0	12.5	15.0	18.5	23.0	---	29.0	32.0	29.0	27.0
25			14.0	14.0	12.0	18.0	24.0	26.0	29.0	31.0	29.0	29.0
26			14.0	15.0	12.0	17.5	24.0	27.0	29.0	31.0	29.0	29.0
27			13.0	13.0	12.0	17.5	19.0	27.0	29.0	31.0	29.0	29.0
28			14.0	14.0	12.0	18.0	19.0	27.0	29.0	31.0	29.0	29.0
29			13.0	13.0	12.0	19.0	19.0	27.0	29.0	31.0	29.0	29.0
30			12.0	14.0	---	17.0	20.0	27.0	29.0	31.0	29.0	29.0
31			11.0	---	---	17.0	---	27.0	---	31.0	29.0	---

294528092154801 SCHOONER BAYOU (INLAND WATERWAY) EAST OF CONTROL STRUCTURE, NEAR FORKED ISLAND, LA (CE 76600)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	260	180	170	65	130	110	120	300	4900
2			---	260	170	210	85	45	110	90	200	5000
3			---	200	160	200	150	150	95	65	200	5000
4			150	95	230	210	140	160	85	130	170	4700
5			180	250	110	400	130	90	80	280	180	5300
6			160	210	220	290	85	130	100	360	1100	5300
7			120	210	140	600	150	220	95	650	1700	4900
8			110	110	150	790	150	95	30	800	840	4800
9			160	75	80	550	130	50	25	1200	460	2800
10			100	70	180	500	160	110	95	1600	6700	2700
11			150	---	200	200	170	900	110	1500	5700	1700
12			150	110	140	250	90	1300	110	1600	4500	1400
13			240	35	180	250	---	2300	140	1900	2400	1100
14			60	30	60	250	130	2100	140	1800	2300	1500
15			170	150	190	450	150	1000	200	1800	5000	1200
16			120	35	50	200	130	3200	260	750	5200	1900
17			200	80	210	---	130	300	240	750	4900	2600
18			240	110	190	150	130	300	270	1900	4700	3000
19			260	160	140	250	130	600	160	2700	4400	3200
20			210	190	40	750	140	300	90	3700	2400	3200
21			110	150	130	150	120	250	50	3700	1100	4400
22			170	240	95	150	130	150	55	3700	400	4600
23			230	230	230	300	130	150	55	3700	630	4800
24			300	250	200	---	120	---	85	3500	---	5000
25			250	240	200	100	120	120	65	3400	1900	4900
26			250	150	180	100	150	95	65	3000	3800	4900
27			250	220	170	100	130	100	65	4000	4600	4900
28			250	220	210	750	130	110	65	3600	4800	4900
29			170	160	190	650	130	100	95	3300	4700	4800
30			250	140	---	850	130	100	85	250	4600	4200
31			270	190	---	---	---	100	---	750	4800	---

294528092154800 SCHOONER BAYOU (INLAND WATERWAY) WEST OF CONTROL STRUCTURE, NEAR FORKED ISLAND, LA (CE 76680)

LOCATION.--Lat 29°45'28", long 92°15'50", T.15 S., R.2 E., Vermilion Parish, Hydrologic Unit 08090202, at southwest fender of structure, 5.4 mi (8.7 km) southeast of Forked Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to September 1980.
CHLORIDE: October 1974 to October 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 19-24, 1980; minimum daily, 1.0°C Jan. 10, 1977.
CHLORIDE: Maximum daily, 6,300 mg/L Aug. 10, 1980; minimum daily, 10 mg/L Jan. 12, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 19-24; minimum daily, 6.0°C Feb. 1.
CHLORIDE: Maximum daily, 6,300 mg/L Aug. 10; minimum daily, 10 mg/L Jan. 12.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	10.0	6.0	16.0	18.5	21.0	27.0	30.0	30.0	29.0
2			---	11.0	10.0	11.0	19.5	23.0	27.0	30.0	30.0	28.0
3			---	12.0	9.0	9.0	20.0	23.0	27.0	30.0	30.0	28.0
4			10.0	10.0	8.0	12.0	19.5	23.0	27.0	30.0	30.0	28.0
5			10.0	9.0	9.0	12.0	18.0	24.0	28.0	30.0	30.0	28.0
6			13.0	11.0	11.0	12.5	19.0	25.0	28.0	30.0	30.0	28.0
7			12.0	14.0	10.0	15.5	20.0	23.0	28.0	31.0	30.0	28.0
8			12.0	12.0	11.0	16.5	21.0	25.0	29.0	31.0	30.0	28.0
9			12.0	13.0	11.0	17.0	19.0	23.0	28.0	31.0	30.0	28.0
10			12.0	13.5	9.0	19.0	19.0	24.0	27.0	31.0	30.0	28.0
11			14.0	14.0	8.0	20.0	22.0	25.0	26.0	31.0	30.0	28.0
12			16.0	15.0	9.0	21.0	23.0	25.0	26.0	31.0	30.0	28.0
13			17.0	14.0	9.0	20.0	20.0	25.0	27.0	31.0	30.0	28.0
14			15.0	15.0	13.0	19.0	14.5	25.0	27.0	31.0	30.0	28.0
15			11.0	16.0	13.0	18.5	17.0	23.0	27.0	31.0	30.0	28.0
16			13.0	17.0	7.0	19.5	19.0	24.0	28.0	31.0	29.0	28.0
17			9.0	17.0	7.0	19.5	19.0	22.0	28.0	31.0	29.0	28.0
18			9.0	17.0	14.0	17.0	19.0	23.0	28.0	31.0	29.0	28.0
19			10.0	16.0	14.0	16.5	19.0	25.0	29.0	32.0	29.0	28.0
20			10.0	17.0	14.0	20.0	19.0	22.0	29.0	32.0	29.0	28.0
21			11.0	18.0	14.0	19.0	21.0	24.0	27.0	32.0	29.0	28.0
22			14.0	19.0	16.0	17.0	22.0	25.0	28.0	32.0	29.0	28.0
23			15.0	11.0	18.0	18.0	22.0	25.0	28.0	32.0	29.0	27.0
24			15.0	11.0	15.0	18.5	23.0	30.0	29.0	32.0	29.0	27.0
25			14.0	14.0	12.0	18.0	24.0	26.0	29.0	31.0	29.0	29.0
26			14.0	15.0	12.0	17.5	24.0	27.0	29.0	31.0	29.0	28.0
27			13.0	13.0	12.0	17.5	19.0	27.0	29.0	31.0	29.0	28.0
28			14.0	14.0	12.0	18.0	19.0	27.0	29.0	31.0	29.0	28.0
29			13.0	13.0	12.0	19.0	19.0	27.0	29.0	31.0	29.0	28.0
30			12.0	14.0	---	17.0	20.0	27.0	29.0	31.0	29.0	28.0
31			11.0	---	---	17.0	---	27.0	---	31.0	29.0	---

293316092182000 FRESHWATER CANAL ABOVE FRESHWATER BAYOU LOCK (NORTH), NEAR FORKED ISLAND, LA (CE 76591)

LOCATION.--Lat 29°33'16", long 92°18'20", T.16 S., R.2 E., Vermilion Parish, Hydrologic Unit 08080202, on north side of lock, 18.9 mi (30.4 km) south of Forked Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to September 1980.
CHLORIDE: October 1974 to October 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C Aug. 4, 24, 1978; minimum daily, 5.0°C Jan. 20, 1978.
CHLORIDE: Maximum daily, 16,000 mg/L Aug. 10, 11, 1976, May 30, June 1, 5, 1977; minimum daily, 280 mg/L May 15, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C several days during July; minimum daily, 9.0°C Feb. 3.
CHLORIDE: Maximum daily, 13,000 mg/L Aug. 25, 26; minimum daily, 1,800 mg/L June 8.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	13.0	13.0	15.5	15.0	22.0	27.0	---	29.0	29.0
2			---	13.0	11.0	10.5	19.0	23.0	27.0	---	29.0	29.0
3			---	14.0	9.0	9.5	19.0	23.0	27.0	---	29.0	29.0
4			12.0	14.0	10.0	10.0	18.5	23.0	27.0	---	29.0	29.0
5			12.0	---	11.0	10.0	19.0	23.0	27.0	---	29.0	29.0
6			12.0	---	11.0	10.0	18.5	23.0	27.0	---	29.0	29.0
7			12.0	---	10.0	14.5	18.5	23.0	27.0	---	29.0	29.0
8			11.0	---	11.0	15.0	21.0	23.0	27.0	30.0	28.0	29.0
9			12.0	---	12.0	16.0	---	23.0	27.0	30.0	---	29.0
10			11.0	---	10.0	17.0	---	25.0	27.0	30.0	---	29.0
11			13.0	14.0	9.5	16.0	21.0	25.0	27.0	30.0	---	29.0
12			15.0	14.0	10.5	18.5	21.5	25.0	27.0	30.0	---	---
13			16.0	14.0	10.5	19.0	20.5	25.0	28.0	30.0	29.0	---
14			15.0	14.0	12.0	17.5	18.0	25.0	28.0	30.0	29.0	29.0
15			15.0	15.0	11.0	17.0	18.0	25.0	28.0	30.0	29.0	29.0
16			14.0	16.0	10.0	18.0	18.0	25.0	28.0	30.0	29.0	29.0
17			---	17.0	10.0	18.5	18.0	25.0	28.0	30.0	29.0	29.0
18			---	17.0	10.0	17.5	18.0	25.0	28.0	30.0	29.0	29.0
19			---	17.0	10.0	17.0	18.0	24.0	28.0	30.0	29.0	29.0
20			11.0	17.0	12.0	16.5	19.0	24.0	28.0	30.0	29.0	29.0
21			14.0	18.0	13.5	---	18.0	24.0	28.0	30.0	29.0	29.0
22			13.0	16.0	15.5	---	22.0	24.0	28.0	30.0	29.0	29.0
23			13.0	15.0	15.0	---	22.0	24.0	28.0	30.0	29.0	29.0
24			14.0	14.0	15.0	---	22.0	24.0	28.0	30.0	29.0	29.0
25			14.0	14.0	15.5	17.5	20.0	24.0	29.0	29.0	29.0	29.0
26			13.0	12.0	15.0	17.5	20.0	24.0	29.0	29.0	29.0	29.0
27			13.0	14.0	13.5	17.0	21.0	24.0	29.0	29.0	29.0	29.0
28			13.0	14.0	14.5	17.5	20.0	27.0	29.0	29.0	29.0	29.0
29			13.0	14.0	14.0	18.5	21.0	27.0	29.0	29.0	29.0	29.0
30			14.0	14.0	---	17.0	21.0	27.0	29.0	29.0	29.0	29.0
31			13.0	10.0	---	17.5	---	27.0	---	29.0	29.0	---

293316092182000 FRESHWATER CANAL ABOVE FRESHWATER BAYOU LOCK (NORTH), NEAR FORKED ISLAND, LA (CE 76591)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			7000	7800	5800	6400	3600	11000	2600	10000	11000	9900
2			7800	9400	5400	9300	5400	9800	2600	8000	11000	8800
3			7700	12000	5500	9900	4800	9200	2500	---	11000	9300
4			7100	9600	5500	9600	3700	7400	2400	---	11000	9200
5			7800	---	5400	7300	4800	10000	2200	---	12000	8000
6			7100	---	4500	8000	3800	11000	2100	---	8000	7600
7			6800	---	4400	7500	3700	10000	1900	---	7500	7800
8			7100	---	5800	8000	3000	9500	1800	11000	8000	7700
9			6500	---	4100	6400	4800	8600	3600	10000	5200	7300
10			6200	---	4400	6400	4700	9000	4000	12000	5000	7100
11			7100	5400	4500	8000	4900	9700	5400	10000	5300	7100
12			9000	5600	4400	6500	4400	6800	4400	8700	5500	---
13			9800	5300	4800	5400	3700	8000	4100	9500	5500	---
14			7100	5300	4700	6400	2900	4900	4000	11000	5800	11000
15			7100	5200	5500	7700	2800	4900	3800	11000	5600	9500
16			8500	4800	4700	6500	4300	4500	3800	12000	5200	10000
17			---	5000	4800	5500	4600	4000	3500	12000	5400	9100
18			---	4200	8800	5000	5000	3500	3400	12000	5200	8900
19			---	4700	7200	4900	5400	3200	3500	12000	5200	8900
20			7700	4800	7000	4400	10000	3300	4300	11000	5400	9300
21			7000	4200	6500	4400	6000	3600	4800	9700	8500	8800
22			6800	4200	6500	5300	6600	3100	7600	9300	11000	8800
23			6100	3900	5900	5000	6300	3200	7200	9900	11000	8800
24			5500	4800	5400	---	7200	4500	7200	9000	10000	7500
25			5700	5500	4200	5700	4600	4300	6800	8100	13000	7700
26			9400	4200	4800	5100	4300	3700	6800	7900	13000	6900
27			6000	6800	6900	4400	5300	11000	4800	8200	10000	5600
28			10000	7700	8000	4100	6200	8500	9300	8200	9900	4700
29			7100	8800	7700	4000	11000	7000	8400	8000	8800	6700
30			7500	6700	---	3400	9200	6000	11000	9500	7600	6000
31			7500	5500	---	4000	---	5400	---	8900	8500	---

294625092244000 WHITE LAKE IN NORTHEAST CORNER, NEAR LITTLE PRAIRIE RIDGE, NEAR FORKED ISLAND, LA (CE 96123)

LOCATION.--Lat 29°46'25", long 92°24'40", R.1 E., T.15 E., Vermilion Parish, Hydrologic Unit 08080202, 7.2 mi (11.6 km) southwest of Forked Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)
FEB 29...	1435	687	7.2	60	150	<1.0	9.2	44	.0	<10	K7	72
MAR 31...	1300	574	7.0	80	40	<1.0	10.2	71	1.7	<20	K10	59
MAY 01...	1340	150	6.8	100	170	<1.0	8.4	51	.7	<10	K20	24
21...	1250	969	7.1	60	70	<1.0	7.6	41	.5	K80	K40	100
JUN 25...	1245	275	6.4	200	200	<1.0	7.2	38	.4	K20	K10	36
JUL 17...	1410	280	7.0	50	150	<1.0	7.3	47	.9	K20	K50	39
AUG 21...	1245	981	7.0	80	65	<1.0	7.7	17	.9	<4	<2	100
SEP 04...	1335	1650	6.9	30	45	<1.0	7.7	17	.9	K10	<5	170

DATE	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
FEB 29...	48	10	11	100	73	5.2	6.0	29	0	24	31	180
MAR 31...	38	8.8	9.0	81	73	4.6	5.2	25	0	21	29	130
MAY 01...	8	4.8	2.9	20	61	1.8	2.9	20	0	16	11	29
21...	81	12	17	150	75	6.5	6.4	23	0	19	40	250
JUN 25...	19	7.0	4.6	35	65	2.5	3.5	21	0	17	16	56
JUL 17...	17	7.0	5.2	40	66	2.8	4.0	27	0	22	18	62
AUG 21...	81	15	16	150	74	6.4	8.6	28	0	23	54	250
SEP 04...	150	18	31	250	75	8.3	5.3	28	0	23	74	440

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294625092244000 WHITE LAKE IN NORTHEAST CORNER, NEAR LITTLE PRAIRIE RIDGE, NEAR FORKED ISLAND, LA (CE 96123)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB 29...	208	.10	.04	.23	.92	.160	3	2	1	0	--	<1
MAR 31...	420	.31	.05	.36	.89	.200	4	4	0	0	--	<1
MAY 01...	290	--	--	--	1.7	.210	3	2	1	0	--	<1
21...	119	.35	.05	.40	.97	.130	2	1	1	0	--	<1
JUN 25...	320	.41	.02	.43	2.6	.210	4	3	1	0	0	0
JUL 17...	344	.40	.05	.45	--	.200	3	2	1	0	0	0
AUG 21...	61	.13	.02	.15	1.3	.090	1	0	1	0	--	<1
SEP 04...	714	.00	.01	.01	1.5	.060	1	1	0	0	--	<1

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB 29...	1	0	1	10	0	12	12	0	50	14	14	0
MAR 31...	1	0	1	10	0	7	6	1	70	15	15	0
MAY 01...	0	--	<1	0	0	12	8	4	120	14	12	2
21...	1	1	0	0	0	9	6	3	60	14	14	0
JUN 25...	0	0	0	20	0	250	250	4	90	40	40	0
JUL 17...	0	0	0	20	0	12	5	7	80	19	19	0
AUG 21...	0	--	1	30	0	6	3	3	20	3	3	0
SEP 04...	--	--	6	10	0	5	3	2	10	4	2	2

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
FEB 29...	.0	.0	.0	4	4	0	0	0	0	--	70	70
MAR 31...	.0	.0	.0	11	11	0	0	0	0	--	40	40
MAY 01...	.1	.1	.0	13	9	4	0	0	0	.0	40	40
21...	.0	.0	.0	30	28	2	0	0	0	--	40	40
JUN 25...	.1	.1	.0	0	--	3	0	0	0	.0	130	120
JUL 17...	.0	.0	.0	11	11	0	0	0	0	1.0	40	30
AUG 21...	.1	.1	.0	6	4	2	0	0	0	--	30	30
SEP 04...	.0	.0	.0	5	3	2	0	0	0	--	20	20

< Actual value is known to be less than the value shown.

294625092244000 WHITE LAKE IN NORTHEAST CORNER, NEAR LITTLE PRAIRIE RIDGE, NEAR FORKED ISLAND, LA (CE 96123)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV, GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB												
29...	6	12	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR												
31...	<3	13	.00	2	0	.0	.00	.000	.0	.000	.000	.000
MAY												
01...	<3	16	.01	4	0	.0	.00	.000	.0	.000	.000	.000
21...	0	12	.00	0	--	.0	.00	.000	.0	.000	.000	.000
JUN												
25...	10	18	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JUL												
17...	10	16	.00	1	0	.0	.00	.000	.0	.000	.000	.000
AUG												
21...	<3	7.4	.01	4	0	.0	.00	.000	.0	.000	.000	.000
SEP												
04...	4	10	.00	0	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB											
29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
31...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
01...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
25...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
17...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB											
29...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.95	.000
MAR											
31...	.00	.00	.00	.00	.0	.00	.00	.00	.00	8.32	.000
MAY											
01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.96	.000
21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.48	.000
JUN											
25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.660	.000
JUL											
17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	7.41	.000
AUG											
21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	20.6	1.48
SEP											
04...	.00	.00	.00	.00	.0	.00	.00	.00	.00	14.0	.000

< Actual value is known to be less than the value shown.

294333092272000 WHITE LAKE (EAST SIDE), 4.8 MILES WEST OF SCHOONER BAYOU, NEAR FORKED ISLAND, LA (CE 70690)

LOCATION.--Lat 29°43'33", long 92°27'20", T.15 S., R.1 W., Vermilion Parish, Hydrologic Unit 08080202, 12.0 mi (19.3 km) southwest of Forked Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
FEB												
29...	1425	694	7.2	40	14	<1.0	9.3	43	.3	<10	K13	95
MAR												
31...	1245	570	7.1	80	40	<1.0	10.6	73	1.0	<20	<10	58
MAY												
01...	1345	148	6.7	150	170	<1.0	8.6	47	.9	K50	K10	26
21...	1245	246	6.9	140	75	<1.0	7.6	44	.2	K20	K1	32
JUN												
25...	1240	273	6.4	250	200	<1.0	7.1	47	.5	K10	<10	36
JUL												
17...	1415	284	7.1	60	150	<1.0	7.4	51	.9	<20	<10	43
AUG												
21...	1230	2050	7.1	20	8	<1.0	8.0	17	.5	<4	<2	220
SEP												
04...	1325	1660	7.3	20	40	<1.0	7.8	18	1.0	K16	K2	180

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB												
29...	71	10	17	100	68	4.5	6.1	29	0	24	30	180
MAR												
31...	38	8.6	8.9	81	73	4.6	5.2	25	0	21	28	130
MAY												
01...	7	4.8	2.8	21	63	1.9	2.9	20	0	16	12	32
21...	16	5.7	4.3	33	67	2.5	3.1	20	0	16	14	50
JUN												
25...	20	7.0	4.5	37	67	2.7	3.4	20	0	16	22	59
JUL												
17...	20	7.0	6.1	44	67	2.9	4.1	27	0	22	20	75
AUG												
21...	200	23	40	360	76	9.9	9.4	30	0	25	93	640
SEP												
04...	150	19	31	250	75	8.2	5.2	27	0	22	76	480

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294335092272000 WHITE LAKE (EAST SIDE), 4.8 MILES WEST OF SCHOONER BAYOU, NEAR FORKED ISLAND, LA (CE 70690)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB												
29...	178	.15	.05	.20	.87	.150	4	3	1	0	--	<1
MAR												
31...	348	.29	.06	.35	.86	.200	4	4	0	0	--	<1
MAY												
01...	216	.34	.05	.39	1.7	.219	3	2	1	0	--	<1
21...	116	.41	.08	.49	1.1	.210	4	3	1	0	--	<1
JUN												
25...	272	.33	.04	.37	1.2	.320	4	3	1	0	0	0
JUL												
17...	314	.41	.05	.46	--	.200	4	3	1	0	0	0
AUG												
21...	26	.07	.00	.07	1.3	.040	1	0	1	0	0	0
SEP												
04...	116	.00	.01	.01	.90	.060	1	1	0	0	--	<1

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB												
29...	1	0	1	10	0	10	10	0	70	13	13	0
MAR												
31...	1	--	<1	10	0	7	6	1	40	15	15	0
MAY												
01...	0	--	<1	0	0	14	8	6	120	18	16	2
21...	1	0	1	0	0	10	7	3	170	15	14	1
JUN												
25...	0	0	0	10	0	58	51	7	80	40	40	0
JUL												
17...	0	0	0	20	0	11	5	6	150	18	17	1
AUG												
21...	1	1	0	40	0	7	4	3	20	4	4	0
SEP												
04...	1	--	3	0	0	19	18	1	10	3	1	2

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
FEB												
29...	.0	.0	.0	4	4	0	0	0	0	--	30	30
MAR												
31...	.0	.0	.0	12	12	0	0	0	0	--	30	30
MAY												
01...	.1	.1	.0	23	19	4	0	0	0	.0	40	40
21...	.0	.0	.0	13	13	0	0	0	0	.0	40	30
JUN												
25...	.1	.1	.0	--	--	4	1	1	0	10	100	90
JUL												
17...	.0	.0	.0	9	8	1	0	0	0	1.0	50	50
AUG												
21...	.1	.1	.0	6	5	1	0	0	0	--	120	90
SEP												
04...	.0	.0	.0	5	4	1	0	0	0	--	30	30

< Actual value is known to be less than the value shown.

294333092272000 WHITE LAKE (EAST SIDE), 4.8 MILES WEST OF SCHOONER BAYOU, NEAR FORKED ISLAND, LA (CE 70690)--Continued

WATER QULAITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB 29...	<3	13	.00	1	0	.0	.00	.000	.0	.000	.000	.000
MAR 31...	4	13	.00	3	0	.0	.00	.000	.0	.000	.000	.000
MAY 01...	4	23	.00	2	0	.0	.00	.000	.0	.000	.000	.000
21...	10	7.9	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JUN 25...	10	18	.00	6	0	.0	.00	.000	.0	.000	.000	.000
JUL 17...	0	15	.00	2	0	.0	.00	.000	.0	.000	.000	.000
AUG 21...	30	7.3	.00	2	0	.0	.00	.000	.0	.000	.000	.000
SEP 04...	5	8.5	.00	0	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
FEB 29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 31...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 01...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 17...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
FEB 29...	.00	.00	.00	.00	.0	.00	.00	.00	.00	13.8	.000
MAR 31...	.00	.00	.00	.00	.0	.00	.00	.00	.00	13.2	.000
MAY 01...	.00	.00	.00	.00	.0	.00	--	--	--	9.38	.000
21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.92	.000
JUN 25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.96	.000
JUL 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.99	.000
AUG 21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	21.3	.000
SEP 04...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.9	.000

< Actual value is known to be less than the value shown.

294530092360000 GRAND LAKE NORTHEAST OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA (CE 96128)

LOCATION.--Lat 29°45'30", long 92°36'00", T.13 S., R.4 W., Cameron Parish, Hydrologic Unit 08080202, 7.7 mi (12.4 km) northeast of Grand Cheniere.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
FEB												
29...	1350	135	7.1	100	150	<1.0	9.4	54	.5	<10	<7	24
MAR												
31...	1230	120	6.8	120	80	<1.0	10.2	42	2.4	K40	K10	21
MAY												
01...	1305	322	6.6	200	60	<1.0	7.7	52	.8	K10	K93	42
21...	1225	106	6.8	140	85	<1.0	6.6	40	.4	K60	K60	21
JUN												
25...	1210	88	6.1	200	78	<1.0	6.0	39	.8	K20	K10	22
JUL												
17...	1330	2570	7.3	30	15	<1.0	7.9	27	1.0	K4	K4	270
AUG												
21...	1317	2380	7.0	20	10	<1.0	7.2	21	.8	<4	<2	240
SEP												
04...	1310	2640	7.4	10	6	<1.0	7.8	--	.7	K20	<2	280

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB												
29...	3	5.3	2.6	15	54	1.3	3.1	26	0	21	7.5	23
MAR												
31...	4	4.7	2.2	15	58	1.4	2.6	21	0	17	6.6	22
MAY												
01...	22	6.9	6.1	47	69	3.1	3.4	25	0	21	16	75
21...	2	5.1	2.1	11	50	1.0	2.1	24	0	20	5.3	14
JUN												
25...	1	5.5	2.0	6.6	37	.6	2.2	26	0	21	2.3	8.7
JUL												
17...	250	24	51	420	76	11	19	30	0	25	100	800
AUG												
21...	210	23	44	380	76	11	15	30	0	25	96	690
SEP												
04...	250	27	51	420	75	11	16	31	0	25	130	800

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294530092360000 GRAND LAKE NORTHEAST OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA (CE 96128)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB												
29...	12	.34	.07	.41	1.1	.230	3	1	2	0	--	<1
MAR												
31...	56	.46	.05	.51	.76	.230	2	2	0	0	--	<1
MAY												
01...	--	.41	.10	.51	2.1	.270	3	3	0	0	--	<1
21...	94	.52	.06	.58	.79	.270	3	2	1	0	--	<1
JUN												
25...	58	.08	.01	.09	.89	.270	3	1	2	0	--	<1
JUL												
17...	23	.00	.00	.00	.88	.050	1	0	1	10	0	10
AUG												
21...	39	.00	.00	.00	1.1	.060	2	1	1	0	0	0
SEP												
04...	33	.00	.00	.00	1.0	.040	1	1	0	0	0	0

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB												
29...	2	1	1	10	0	15	13	2	220	17	17	0
MAR												
31...	0	--	<1	0	0	6	3	3	130	9	9	0
MAY												
01...	0	--	<1	0	0	14	11	3	110	22	21	1
21...	1	1	0	0	0	8	5	3	130	15	15	0
JUN												
25...	0	--	<1	10	0	54	50	4	260	14	12	2
JUL												
17...	0	0	0	0	0	4	1	3	60	11	9	2
AUG												
21...	0	0	0	30	0	5	3	2	20	0	0	0
SEP												
04...	0	0	0	10	0	7	6	1	20	2	2	0

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
FEB												
29...	.0	.0	.0	5	5	0	0	0	0	.0	40	40
MAR												
31...	.0	.0	.0	7	4	3	0	0	0	1.0	20	20
MAY												
01...	.1	.1	.0	15	12	3	1	1	0	1.0	30	30
21...	.0	.0	.0	12	12	0	0	0	0	1.0	50	40
JUN												
25...	.1	.1	.0	60	56	4	0	0	0	2.0	140	130
JUL												
17...	.1	.1	.0	4	--	5	0	0	0	--	40	30
AUG												
21...	.0	.0	.0	5	2	3	0	0	0	--	40	30
SEP												
04...	.1	.1	.0	6	6	0	0	0	0	--	30	20

< Actual value is known to be less than the value shown.

294530092360000 GRAND LAKE NORTHEAST OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA (CE 96128)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB 29...	4	15	.00	--	0	.0	.00	.000	.0	.000	.000	.000
MAR 31...	<3	11	.00	2	0	.0	.00	.000	.0	.000	.000	.000
MAY 01...	<3	19	.00	6	0	.0	.00	.000	.0	.000	.000	.001
21...	10	13	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JUN 25...	8	12	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JUL 17...	10	7.0	.00	2	0	.0	.00	.000	.0	.000	.000	.000
AUG 21...	10	4.9	.00	6	0	.0	.00	.000	.0	.000	.000	.000
SEP 04...	10	7.1	.00	4	2	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB 29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 31...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 01...	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 25...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 17...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB 29...	.00	.00	.00	.00	.0	.00	.02	.00	.00	.000	.000
MAR 31...	.00	.00	.00	.00	.0	.00	.02	.01	.00	1.11	.000
MAY 01...	.00	.00	.00	.00	.0	.00	.01	.01	.00	1.66	.000
21...	.00	.00	.00	.00	.0	.00	.05	.01	.00	.480	.000
JUN 25...	.00	.00	.00	.00	.0	.00	.06	.01	.00	6.59	.000
JUL 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	14.5	.000
AUG 21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	9.69	.000
SEP 04...	.00	.00	.00	.00	.0	.00	.00	.00	.00	7.41	.000

< Actual value is known to be less than the value shown.

08012420 MERMENTAU RIVER AT LACASSINE REFUGE, NEAR LOWRY, LA (CE 70600)

LOCATION.--Lat 30°00'10", long 92°46'37", in sec.16, T.12 S., R.4 W., Cameron Parish, Hydrologic Unit 08080202, 1.5 mi (2.4 km) southwest of Lowry.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
FEB 29...	1415	153	6.8	100	170	<1.0	8.5	53	.6	K120	K53	26
MAR 31...	1240	82	6.6	120	85	<1.0	6.7	48	2.1	1500	520	17
MAY 01...	1320	88	6.6	200	230	<1.0	7.7	61	1.7	K150	K100	21
21...	1213	60	6.4	80	80	<1.0	5.1	28	1.2	460	K120	14
JUN 25...	1225	113	6.3	125	110	<1.0	7.0	9	.5	<10	<10	21
JUL 17...	1320	133	6.9	60	75	<1.0	6.6	38	1.3	K200	54	30
AUG 21...	1332	246	7.3	30	15	<1.0	6.9	14	.4	K8	K4	55
SEP 04...	1300	643	7.6	20	10	<1.0	7.0	15	.2	K8	<2	110

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
FEB 29...	4	6.0	2.7	18	57	1.5	3.0	27	0	22	7.9	27
MAR 31...	0	4.1	1.6	7.8	46	.8	2.2	22	0	18	3.2	10
MAY 01...	2	5.1	2.1	9.2	45	.9	2.3	24	0	20	5.4	14
21...	0	3.4	1.4	5.3	41	.6	1.7	17	0	14	6.6	6.4
JUN 25...	5	4.5	2.4	13	54	1.2	2.3	20	0	16	7.6	18
JUL 17...	5	6.0	3.6	15	48	1.1	4.0	30	0	25	4.8	20
AUG 21...	0	13	5.4	27	50	1.6	3.7	69	0	57	10	32
SEP 04...	64	17	16	85	61	5.4	7.6	54	0	44	36	150

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08012420 MERMENTAU RIVER AT LACASSINE REFUGE, NEAR LOWRY, LA (CE 70600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
FEB												
29...	106	.43	.07	.50	1.2	.300	2	1	1	0	<1	1
MAR												
31...	134	.27	.05	.32	.99	.260	2	2	0	0	<1	1
MAY												
01...	138	--	--	--	1.7	.300	3	2	1	0	<1	0
21...	33	.24	.06	.30	1.1	.150	1	0	1	0	<1	1
JUN												
25...	56	.25	.02	.27	.69	.270	2	1	1	0	<1	0
JUL												
17...	32	.07	.01	.08	1.2	.170	3	1	2	0	<1	0
AUG												
21...	11	.00	.00	.00	1.6	.100	2	0	2	0	<1	1
SEP												
04...	31	.04	.00	.04	.94	.060	1	0	1	0	<1	0

DATE	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
FEB												
29...	0	1	0	0	11	10	1	220	11	11	0	.0
MAR												
31...	0	1	10	0	6	3	3	150	12	12	0	.0
MAY												
01...	--	<1	10	0	13	9	4	130	18	15	3	.1
21...	0	1	0	0	7	4	3	120	9	6	3	.1
JUN												
25...	--	<1	0	0	46	43	3	150	15	15	0	.1
JUL												
17...	--	<1	20	0	10	6	4	140	14	13	1	.1
AUG												
21...	0	1	40	0	48	45	3	80	2	2	0	.0
SEP												
04...	--	<1	0	0	7	6	1	30	7	7	0	.0

DATE	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
FEB												
29...	.0	.0	3	3	0	0	0	0	.0	30	30	<3
MAR												
31...	.0	.0	5	5	0	0	0	0	1.0	960	960	<3
MAY												
01...	.1	.0	12	8	4	0	0	0	.0	50	40	7
21...	.1	.0	6	--	7	0	0	0	2.0	20	10	10
JUN												
25...	.1	.0	48	47	1	0	0	0	1.0	100	90	6
JUL												
17...	.1	.0	5	4	1	0	0	0	2.0	30	30	<3
AUG												
21...	.0	.0	9	8	1	0	0	0	.0	60	60	<3
SEP												
04...	.0	.0	6	5	1	0	0	0	--	40	40	<3

< Actual value is known to be less than the value shown.

08012420 MERMENTAU RIVER AT LACASSINE REFUGE, NEAR LOWRY, LA (CE 70600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB											
29...	16	.00	1	10	.0	.00	.001	.0	.000	.000	.000
MAR											
31...	12	.00	9	0	.0	.00	.000	.0	.000	.000	.000
MAY											
01...	18	.00	2	1	.0	.00	.000	.0	.000	.000	.000
21...	8.7	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JUN											
25...	10	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL											
17...	11	.00	2	0	.0	.00	.000	.0	.000	.000	.000
AUG											
21...	6.8	.01	7	0	.0	.00	.000	.0	.000	.000	.000
SEP											
04...	9.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB											
29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
31...	.00	.004	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
01...	.01	.005	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.01	.004	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
25...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
17...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB											
29...	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.17	.000
MAR											
31...	.00	.00	.00	.00	.0	.00	.06	.02	.00	3.23	.000
MAY											
01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	--	--
21...	.00	.00	.00	.00	.0	.00	.14	.01	.00	.000	.000
JUN											
25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.960	.000
JUL											
17...	.00	.00	.00	.00	.0	.00	.02	.00	.00	26.7	.000
AUG											
21...	.00	.00	.00	.00	.0	.00	.03	.00	.03	6.16	1.69
SEP											
04...	.00	.00	.00	.00	.0	.00	.01	.00	.01	9.08	.000

295148092510100 MERMENTAU RIVER NORTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA (CE 70675)

LOCATION.--Lat 29°51'48", long 92°51'01", T.14 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, on northwest fender of structure, 9.8 mi (15.8 km) northeast of Grand Cheniere.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to September 1980.
CHLORIDE: October 1974 to October 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 30.5°C July 5, 1977, July 9, 11, Aug. 23, 1978; minimum daily, 4.0°C Jan. 20, 21, 1978.
CHLORIDE: Maximum daily, 12,000 mg/L Oct. 15, 1975; minimum daily, 5.0 mg/L Apr. 8, 16, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C several days during July and August; minimum daily, 6.0°C Feb. 1, Mar. 1, 4.
CHLORIDE: Maximum daily, 8,400 mg/L July 19; minimum daily, 5.0 mg/L Apr. 8, 16.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	11.0	6.0	6.0		---	26.5	28.0	29.0	28.0
2			---	9.0	---	---		---	---	---	29.0	28.0
3			---	11.0	---	6.5		---	---	---	29.0	28.0
4			---	11.0	---	6.0		---	28.0	30.0	29.0	28.0
5			---	9.5	---	12.5		---	---	30.0	29.0	28.0
6			---	10.0	---	---		---	---	30.0	29.0	28.0
7			---	12.5	---	---		---	---	30.0	29.0	28.0
8			---	12.0	10.0	17.0		---	---	30.0	29.0	28.0
9			---	13.0	10.0	17.5		---	---	30.0	29.0	28.0
10			---	11.5	7.0	---		---	---	30.0	29.0	28.0
11			---	---	7.0	---		---	---	30.0	29.0	28.0
12			15.0	12.0	8.0	19.5		---	---	30.0	29.0	28.0
13			16.0	---	8.0	18.0		---	28.0	29.0	30.0	29.0
14			12.0	11.5	9.0	17.0		---	---	29.0	30.0	29.0
15			12.0	14.0	---	---		---	---	29.0	30.0	29.0
16			12.0	---	11.0	---		23.5	28.0	29.0	30.0	29.0
17			9.0	17.0	10.0	---		---	28.5	30.0	30.0	29.0
18			7.0	16.0	7.0	---		---	---	30.0	30.0	29.0
19			10.0	---	---	---		---	---	30.0	30.0	29.0
20			10.0	---	---	17.0		---	---	30.0	30.0	29.0
21			11.0	---	---	15.0		---	28.0	30.0	30.0	29.0
22			13.0	17.0	---	14.5		---	28.0	30.0	30.0	29.0
23			15.0	---	---	16.5		24.0	---	30.0	30.0	28.0
24			14.0	---	---	17.5		---	29.5	30.0	30.0	28.0
25			12.0	---	---	16.0		---	29.0	30.0	29.0	28.0
26			12.0	14.0	---	16.0		---	29.0	30.0	29.0	28.0
27			12.0	13.0	---	16.0		26.0	29.0	30.0	29.0	28.0
28			12.0	---	---	16.0		---	29.0	30.0	29.0	28.0
29			13.0	---	---	18.0		---	29.0	30.0	29.0	28.0
30			11.0	---	---	15.5		---	29.0	30.0	29.0	28.0
31			12.0	10.0	---	16.5		27.0	---	30.0	29.0	---

295148092510100 MERMENTAU RIVER NORTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA (CE 70675)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	120	20	30	25	---	10	20	900	2500
2			---	55	---	---	25	20	---	---	700	1200
3			---	60	---	30	25	15	---	---	600	1100
4			---	35	---	25	25	15	15	20	660	1000
5			---	50	---	30	---	20	---	69	---	1300
6			---	55	---	---	---	15	---	100	600	---
7			---	70	---	---	---	15	---	700	550	1700
8			---	65	60	30	5.0	20	---	1800	490	900
9			---	50	45	30	---	---	---	4400	410	900
10			---	55	45	---	---	25	---	1400	500	800
11			---	---	50	---	15	25	---	4500	870	800
12			130	45	40	35	10	30	---	4300	1100	900
13			150	---	35	30	10	---	15	2900	6200	1200
14			110	50	45	30	10	40	---	3200	4800	1100
15			95	50	---	---	10	50	---	2100	6200	1900
16			100	---	45	---	5.0	70	20	2700	3100	1500
17			90	45	35	---	10	---	20	1300	1200	1200
18			85	40	45	---	---	---	---	1200	950	2100
19			85	---	---	---	15	---	---	8400	1700	2100
20			170	---	40	35	10	---	---	1000	700	2400
21			180	---	35	30	---	---	20	---	550	2700
22			200	40	---	35	15	---	10	1200	550	4700
23			190	---	---	30	10	20	---	1100	480	2500
24			130	---	---	35	15	---	15	600	680	3500
25			160	---	---	40	20	---	15	850	600	2600
26			85	35	---	40	---	---	20	950	650	8400
27			80	35	---	30	---	15	15	1200	1000	1000
28			85	---	---	30	10	---	15	1700	1900	6800
29			130	---	---	35	20	---	20	1500	1800	3600
30			65	---	---	35	---	---	15	900	1300	3500
31			140	20	---	25	---	15	---	1500	1000	---

295146092510100 MERMENTAU RIVER SOUTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA (CE 70750)

LOCATION.--Lat 29°51'46", long 92°51'01", T.14 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, on southwest fender structure, 9.8 mi (15.8 km) northeast of Grand Cheniere.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to September 1980.
CHLORIDE: October 1974 to October 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 30.5°C July 5, Aug. 9, 1977, July 16, 18, 19, Aug. 23, 1978; minimum daily, 4.0°C Jan. 21, 22, 1978.
CHLORIDE: Maximum daily, 13,000 mg/L July 25, 1980; minimum daily, 8.0 mg/L Jan. 17, 21, 23, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C several days during July and August; minimum daily, 6.0°C Feb. 3.
CHLORIDE: Maximum daily, 13,000 mg/L July 25; minimum daily, 10 mg/L several days during April, May and June.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	11.0	---	---		---	---	29.0	---	28.0
2			---	9.0	7.0	---		---	---	29.0	---	28.0
3			---	11.0	6.0	---		---	---	---	---	28.0
4			---	11.0	7.0	---		---	---	30.0	---	28.0
5			---	9.5	8.0	---		---	26.0	30.0	---	28.0
6			---	10.0	10.0	12.0		---	26.0	30.0	---	28.0
7			---	12.5	10.0	12.0		---	26.0	30.0	---	28.0
8			---	12.0	---	12.0		---	26.0	30.0	---	28.0
9			---	---	---	12.0		---	26.0	30.0	30.0	28.0
10			---	---	---	---		---	26.0	30.0	30.0	28.0
11			---	14.0	---	---		---	26.0	30.0	30.0	28.0
12			15.0	---	---	---		---	26.0	30.0	30.0	28.0
13			16.0	11.5	---	---		---	---	30.0	29.0	29.0
14			12.0	---	---	---		---	27.0	30.0	29.0	29.0
15			12.0	---	13.0	15.5		---	27.0	30.0	29.0	29.0
16			12.0	---	---	18.5		24.0	---	30.0	29.0	29.0
17			9.0	15.0	---	19.0		24.0	---	29.0	29.0	29.0
18			7.0	---	---	---		24.0	27.0	29.0	29.0	29.0
19			10.0	15.0	10.0	19.0		26.0	27.0	---	---	27.0
20			10.0	---	13.0	17.0		26.0	27.0	29.0	29.0	29.0
21			11.0	15.0	14.0	17.0		26.0	---	29.0	---	29.0
22			13.0	---	14.0	17.0		26.0	---	29.0	---	29.0
23			15.0	11.0	13.0	17.0		---	27.0	29.0	---	29.0
24			14.0	11.0	16.0	17.0		26.0	27.0	29.0	---	29.0
25			12.0	13.0	15.0	17.0		26.0	29.0	29.0	---	28.0
26			12.0	---	12.0	17.0		26.0	29.0	29.0	---	28.0
27			12.0	---	12.0	17.0		---	29.0	29.0	30.0	28.0
28			12.0	13.0	13.0	17.0		26.0	29.0	29.0	30.0	28.0
29			13.0	12.0	---	17.0		26.0	29.0	---	30.0	28.0
30			11.0	12.0	---	17.0		26.0	29.0	---	30.0	28.0
31			12.0	---	---	17.0		---	---	---	30.0	---

295146092510100 MERMENTAU RIVER SOUTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA (CE 70750)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	40	---	---	---	20	---	20	---	2700
2			---	50	25	---	---	---	15	20	---	2800
3			---	55	25	---	---	---	10	---	---	4000
4			---	40	35	---	---	---	---	100	---	6000
5			---	55	35	---	10	---	10	50	---	6700
6			---	50	30	25	15	---	15	650	---	2800
7			---	70	35	---	10	---	15	850	---	1700
8			---	75	---	---	---	---	10	2100	---	2100
9			---	---	---	---	10	20	10	4900	4000	1200
10			---	---	---	25	10	---	15	2500	8200	1100
11			---	55	---	25	---	25	10	5500	7700	1100
12			90	---	---	---	---	25	10	2400	8000	1900
13			100	---	---	---	---	30	---	4300	5300	1500
14			100	---	---	---	---	35	15	5700	3700	1200
15			100	---	50	30	---	70	15	5600	4500	1300
16			100	---	---	35	---	140	---	5600	5500	1800
17			85	45	---	30	---	25	---	5600	4700	1200
18			90	---	---	---	10	25	15	5600	1300	1000
19			90	55	30	35	---	20	10	---	---	800
20			85	35	40	35	---	20	15	9500	1000	400
21			80	35	40	---	10	20	---	9600	---	4100
22			75	---	25	---	---	15	---	10000	---	4200
23			95	35	30	---	---	---	20	12000	---	5000
24			100	30	30	---	---	15	15	12000	---	8000
25			75	40	30	---	---	15	20	13000	---	8500
26			45	---	25	---	15	15	20	12000	---	9900
27			90	---	25	---	---	---	15	11000	1800	10000
28			---	30	25	---	---	10	15	12000	1200	8700
29			90	20	---	---	---	10	20	---	1000	8500
30			120	25	---	---	20	10	20	---	2400	8300
31			180	---	---	---	---	---	---	---	2400	---

294630092533500 MERMENTAU RIVER AT UPPER MUD LAKE, NEAR GRAND CHENIERE, LA (CE 70375)

LOCATION.--Lat 29°46'30", long 92°53'35", T.15 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, at center of Upper Mud Lake, and 4.5 mi (7.2 km) east-northeast of Grand Cheniere.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
FEB 29...	1345	332	7.0	140	140	<1.0	9.2	56	.9	K10	K13	46
MAR 31...	1215	155	6.9	120	80	<1.0	9.7	43	1.5	<20	K20	23
MAY 01...	1100	147	6.9	200	80	<1.0	8.2	43	.7	K40	K15	25
21...	1148	138	6.8	160	85	<1.0	7.5	48	1.7	K180	K30	24
JUN 25...	1200	650	6.9	75	70	<1.0	6.8	44	1.5	K20	K10	60
JUL 17...	1310	34400	7.9	10	7	<1.0	7.8	200	1.7	<4	K2	4200
AUG 21...	1355	8480	7.0	20	3	<1.0	8.1	29	1.5	K8	<2	910
SEP 04...	1240	24300	8.2	5	6	<1.0	8.3	46	1.9	<4	K12	2800

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB 29...	20	7.0	6.9	59	71	3.8	4.7	31	0	25	16	98
MAR 31...	5	5.1	2.6	18	59	1.6	3.0	23	0	19	11	30
MAY 01...	4	5.4	2.9	18	56	1.6	3.7	26	0	21	9.3	28
21...	4	5.3	2.7	16	56	1.4	2.4	25	0	21	7.6	25
JUN 25...	28	7.7	10	95	75	5.3	5.6	40	0	33	16	160
JUL 17...	4100	270	850	6900	77	46	330	111	0	91	1800	13000
AUG 21...	870	67	180	1500	77	22	74	46	0	38	380	2800
SEP 04...	2700	190	570	4600	76	38	210	96	0	79	330	9200

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB 29...	96	.28	.06	.34	1.2	.220	3	1	2	0	--	<1
MAR 31...	82	.48	.05	.53	.73	.190	2	2	0	0	--	<1
MAY 01...	66	.40	.07	.47	1.7	.220	2	2	0	0	--	<1
21...	52	.46	.08	.54	.77	.260	2	1	1	0	--	<1
JUN 25...	28	.00	.01	.01	1.2	.200	2	1	1	0	--	<1
JUL 17...	125	.00	.00	.00	.62	.090	1	0	1	10	0	10
AUG 21...	29	.00	.00	.00	1.3	.050	1	1	0	--	--	10
SEP 04...	48	.00	.00	.00	.71	.040	1	0	1	10	0	10

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294630092533500 MERMENTAU RIVER AT UPPER MUD LAKE, NEAR GRAND CHENIERE, LA (CE 70375)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB 29...	0	--	<1	10	0	11	10	1	330	12	12	0
MAR 31...	0	--	<1	0	0	4	1	3	160	6	6	0
MAY 01...	0	--	<1	8	0	12	6	6	210	16	14	2
21...	1	1	0	8	0	8	5	3	130	14	13	1
JUN 25...	0	--	<1	10	0	14	11	3	230	9	9	0
JUL 17...	0	0	0	30	0	3	0	3	110	3	1	2
AUG 21...	0	0	0	10	0	11	9	2	20	5	5	0
SEP 04...	0	--	1	20	0	5	4	1	60	5	5	0

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
FEB 29...	.0	.0	.0	3	3	0	0	0	0	1.0	30	30
MAR 31...	.0	.0	.0	3	0	3	0	0	0	1.0	10	7
MAY 01...	.1	.1	.0	12	7	5	0	0	0	1.0	30	30
21...	.1	.1	.0	11	7	4	0	0	0	1.0	30	20
JUN 25...	.0	.0	.0	7	5	2	0	0	0	--	50	40
JUL 17...	.0	.0	.0	1	--	2	0	0	0	--	50	20
AUG 21...	.0	.0	.0	4	2	2	0	0	0	--	60	50
SEP 04...	.0	.0	.0	6	5	1	0	0	0	--	30	30

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB 29...	5	17	.00	6	0	.0	.00	.000	.0	.000	.000	.000
MAR 31...	3	10	.00	3	0	.0	.00	.000	.0	.000	.000	.000
MAY 01...	<3	15	.01	0	0	.0	.00	.000	.0	.000	.000	.000
21...	10	13	.00	4	0	.0	.00	.000	.0	.000	.000	.000
JUN 25...	7	15	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL 17...	30	8.5	.00	2	0	.0	.00	.000	.0	.000	.000	.000
AUG 21...	10	7.5	.02	0	0	.0	.00	.000	.0	.000	.000	.000
SEP 04...	0	6.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

294630092533500 MERMENTAU RIVER AT UPPER MUD LAKE, NEAR GRAND CHENIERE, LA (CE 70375)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB											
29...	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
31...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
01...	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.00	.003	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
25...	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
17...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB											
29...	.00	.00	.00	.00	.0	.00	--	--	--	3.20	.000
MAR											
31...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.61	.000
MAY											
01...	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.16	.000
21...	.00	.00	.00	.00	.0	.00	--	--	--	.560	.000
JUN											
25...	.00	.00	.00	.00	.0	.00	.02	.00	.00	11.6	.000
JUL											
17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	7.21	.000
AUG											
21...	.00	.00	.00	.00	.0	.00	.02	.00	.00	17.6	.200
SEP											
04...	.00	.00	.00	.00	.0	.00	.03	.00	.00	8.03	.000

295531092574500 GULF AND INTRACOASTAL WATERWAY AT LAKE MISERE, NEAR HAYES, LA (CE 96131)

LOCATION.--Lat 29°55'31", long 92°57'45", T.13 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, 12.8 mi (20.6 km) south-southwest of Hayes.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
FEB 29...	1400	153	6.9	100	170	<1.0	8.7	59	.8	240	K27	27
MAR 31...	1235	81	6.6	140	85	<1.0	6.5	50	1.8	1600	520	17
MAY 01...	1315	88	6.7	150	240	<1.0	7.8	55	1.0	K20	K30	22
21...	1200	51	6.0	70	60	<1.0	4.7	26	.9	840	K140	11
JUN 25...	1215	87	5.9	100	75	<1.0	6.2	35	.4	K20	K10	23
JUL 17...	1315	274	7.1	50	120	<1.0	5.8	55	.9	440	K52	42
AUG 21...	1344	1560	6.6	50	9	<1.0	7.8	25	1.8	K16	K4	150
SEP 04...	1250	1040	6.7	30	30	<1.0	6.9	20	.9	230	K34	150

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB 29...	5	6.3	2.7	17	55	1.4	2.9	27	0	22	7.7	27
MAR 31...	0	4.0	1.6	7.6	46	.8	2.3	22	0	18	4.2	9.1
MAY 01...	2	5.2	2.1	9.9	47	.9	2.2	24	0	20	6.9	13
21...	1	2.6	1.1	5.3	46	.7	1.9	12	0	10	2.3	8.3
JUN 25...	5	5.6	2.1	6.6	36	.6	2.2	21	0	17	4.4	8.8
JUL 17...	12	10	4.1	39	64	2.6	4.0	37	0	30	13	58
AUG 21...	130	18	25	240	77	8.6	9.1	25	0	21	60	430
SEP 04...	120	19	24	150	68	5.4	7.0	34	0	28	46	260

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

295531092574500 GULF AND INTRACOASTAL WATERWAY AT LAKE MISERE, NEAR HAYES, LA (CE 96131)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
FEB												
29...	74	.36	.09	.45	1.2	.230	3	1	2	0	<1	1
MAR												
31...	84	.28	.05	.33	.94	.260	2	2	0	0	<1	1
MAY												
01...	192	.38	.11	.49	1.7	.260	3	3	0	0	<1	0
21...	14	.15	.04	.19	1.5	.170	1	0	1	0	<1	0
JUN												
25...	72	.05	.01	06	1.0	.440	3	1	2	0	<1	0
JUL												
17...	120	.52	.03	.55	1.1	.180	3	2	1	10	<1	0
AUG												
21...	54	.00	.02	.02	1.6	.070	1	0	1	25	<1	1
SEP												
04...	60	.00	.01	.01	1.4	.050	1	0	1	0	<1	0

DATE	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
FEB												
29...	0	1	10	0	14	14	0	180	15	15	0	.0
MAR												
31...	0	1	0	0	8	5	3	100	13	13	0	.0
MAY												
01...	--	<1	0	0	13	9	4	100	19	17	2	.1
21...	0	0	0	0	5	3	2	90	9	9	0	.1
JUN												
25...	--	<1	10	0	7	3	4	230	7	6	1	.1
JUL												
17...	--	<1	20	0	21	17	4	290	16	15	1	.1
AUG												
21...	0	1	60	0	4	1	3	30	4	3	1	.0
SEP												
04...	--	<1	0	0	4	2	2	20	5	5	0	.0

DATE	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
FEB												
29...	.0	.0	4	4	0	0	0	0	.0	40	40	<3
MAR												
31...	.0	.3	3	--	4	0	0	0	1.0	20	20	<3
MAY												
01...	.1	.0	13	10	3	1	1	0	1.0	40	30	6
21...	.1	.0	11	8	3	0	0	0	2.0	20	20	0
JUN												
25...	.1	.0	7	4	3	0	0	0	2.0	40	30	10
JUL												
17...	.1	.0	7	6	1	0	0	0	2.0	60	60	4
AUG												
21...	.0	.0	4	1	3	0	0	0	--	30	30	<3
SEP												
04...	.0	.0	5	4	1	0	0	0	--	20	20	4

< Actual value is known to be less than the value shown.

295531092574500 GULF AND INTRACOASTAL WATERWAY AT LAKE MISERE, NEAR HAYES, LA (CE 96131)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB											
29...	18	.00	4	1	.0	.00	.000	.0	.000	.000	.001
MAR											
31...	13	.00	5	0	.0	.00	.001	.0	.000	.000	.000
MAY											
01...	23	.00	0	0	.0	.00	.000	.0	.000	.000	.000
21...	6.8	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN											
25...	12	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JUL											
17...	18	.00	2	0	.0	.00	.000	.0	.000	.000	.000
AUG											
21...	11	.01	0	0	.0	.00	.000	.0	.000	.000	.000
SEP											
04...	8.7	.00	0	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
FEB											
29...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.03	.00
MAR											
31...	.00	.005	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
01...	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
25...	.00	.000	.000	.001	.00	.000	.000	.000	.00	.00	.00
JUL											
17...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB											
29...	.00	.00	.00	.00	.0	.00	.01	.00	.00	.000	.000
MAR											
31...	.00	.00	.00	.00	.0	.00	.06	.02	.00	.000	.000
MAY											
01...	.00	.00	.00	.00	.0	.00	.02	.01	.00	.250	.000
21...	.00	.00	.00	.00	.0	.00	--	--	--	1.09	.000
JUN											
25...	.00	.00	.00	.00	.0	.00	.08	.01	.00	6.08	.000
JUL											
17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	24.6	.000
AUG											
21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	24.0	1.27
SEP											
04...	.00	.00	.00	.00	.0	.00	.00	.00	.00	13.6	.000

295600093053000 INTRACOASTAL WATERWAY AT GIBBSTOWN, LA (CE 76873)

LOCATION.--Lat 29°56'00", long 93°05'30", T.13 S., R.6 W., Cameron Parish, Hydrologic Unit 08080202, at La. Highway 27 crossing at Gibbstown and at mile 220.0.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 197[illegible] to October 1978, December 1979 to September 1980.
CHLORIDE: October 1974 to November 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C Aug. 17, 18, 1978; minimum daily, 5.0°C Jan. 21, 1978.
CHLORIDE: Maximum daily, 3,700 mg/L Sep. 29, 1980; minimum daily, 10 mg/L May 19, 21, 23, 26, 27, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 31.0°C June 29, 30, July 1, 2, 3; minimum daily, 9.0°C Feb 11.
CHLORIDE: Maximum daily, 3,700 mg/L Sep. 29; minimum daily, 10 mg/L May 19, 21, 23, 26, 27.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	12.0	10.0	17.0	20.0	23.0	29.0	31.0	29.0	29.0
2			---	13.0	10.0	17.0	20.0	25.0	29.0	31.0	29.0	29.0
3			---	12.0	11.5	17.0	16.0	26.0	28.0	31.0	29.0	29.0
4			---	12.0	13.5	17.0	16.0	26.0	28.0	---	29.0	29.0
5			---	12.0	13.5	17.0	20.0	25.0	29.0	26.0	30.0	29.0
6			---	13.0	15.0	17.0	20.0	25.0	29.0	26.0	30.0	29.0
7			---	14.0	15.0	20.0	20.0	26.0	29.0	27.0	30.0	29.0
8			---	13.0	12.0	20.0	21.0	25.0	28.0	27.0	30.0	29.0
9			---	12.0	12.0	20.0	23.0	25.0	23.0	27.0	29.0	30.0
10			---	15.0	10.0	20.0	21.0	27.0	23.0	27.0	29.0	30.0
11			---	16.0	9.0	20.0	22.0	26.0	23.0	30.0	29.0	30.0
12			---	14.0	10.0	20.0	19.0	26.0	23.0	30.0	29.0	30.0
13			---	14.0	13.0	21.0	19.0	26.0	27.0	27.0	29.0	30.0
14			---	16.0	13.5	21.0	18.0	26.0	27.0	27.0	29.0	30.0
15			---	18.5	14.0	20.0	18.0	26.0	27.0	27.0	29.0	30.0
16			---	19.0	14.0	19.0	18.0	25.0	27.0	27.0	30.0	30.0
17			---	17.0	11.5	20.0	19.0	25.0	29.0	27.0	30.0	30.0
18			---	17.0	11.5	19.0	21.0	27.0	28.0	27.0	30.0	30.0
19			---	16.0	16.5	19.0	20.0	26.0	28.0	27.0	30.0	30.0
20			12.0	17.0	12.0	20.0	23.0	24.0	28.0	29.0	30.0	30.0
21			12.0	17.0	12.0	18.0	24.0	25.0	28.0	29.0	29.0	30.0
22			14.0	15.0	12.0	18.0	24.0	26.0	28.0	29.0	29.0	30.0
23			17.0	15.0	12.0	18.0	24.0	25.0	28.0	29.0	29.0	30.0
24			16.0	14.5	12.0	18.0	24.0	25.0	28.0	29.0	29.0	30.0
25			16.0	14.5	18.0	18.0	23.0	26.0	30.0	28.0	29.0	30.0
26			16.0	19.0	18.0	18.0	21.0	26.0	30.0	28.0	29.0	30.0
27			16.0	14.5	18.0	17.0	21.0	26.0	30.0	28.0	29.0	30.0
28			14.0	14.5	18.0	17.0	23.0	---	30.0	28.0	29.0	30.0
29			13.0	15.0	18.0	20.0	23.0	---	31.0	28.0	29.0	30.0
30			13.0	13.5	---	17.0	23.0	---	31.0	28.0	29.0	30.0
31			14.0	12.5	---	18.0	---	---	---	28.0	29.0	---

MERMENTAU RIVER BASIN

295600093053000 INTRACOASTAL WATERWAY AT GIBBSTOWN, LA (CE 76873)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	160	100	110	25	35	20	45	550	550
2			---	240	120	130	25	35	15	45	500	550
3			---	200	90	95	30	35	15	50	500	600
4			---	220	85	110	25	35	20	---	500	550
5			---	280	60	70	25	35	15	55	550	550
6			---	140	80	120	20	30	20	50	350	600
7			---	160	70	90	15	35	15	45	320	550
8			---	220	90	180	35	40	15	60	470	550
9			---	240	85	85	20	30	20	49	430	1100
10			---	240	95	80	20	40	25	49	500	1100
11			---	200	150	75	20	55	20	48	400	1200
12			---	240	90	75	35	65	20	45	680	1200
13			---	200	100	90	25	60	25	53	710	1100
14			---	80	95	130	20	35	35	53	690	950
15			---	40	110	100	20	85	35	46	650	1100
16			---	40	110	130	20	85	30	90	760	1100
17			---	30	110	130	20	85	35	86	840	1100
18			---	70	75	90	20	50	40	52	800	1000
19			100	45	130	95	25	10	40	52	810	1100
20			100	25	---	95	20	15	40	65	750	1000
21			80	30	75	120	25	10	40	61	760	1000
22			120	40	70	120	30	15	45	65	---	1200
23			100	70	100	100	20	10	40	60	---	1200
24			100	70	100	95	25	15	40	65	690	950
25			200	35	110	80	25	15	45	72	710	1100
26			160	30	110	85	25	10	45	89	710	1200
27			100	40	110	80	25	10	40	85	610	1200
28			120	30	95	75	25	---	45	150	640	1100
29			100	55	120	70	25	---	45	230	570	3700
30			100	50	---	95	35	---	40	1500	640	3500
31			120	50	---	90	---	---	---	1500	610	---

295040093204000 CALCASIEU PASS AT ST. JOHN ISLAND, NEAR CAMERON, LA (CE 73649)

LOCATION.--Lat 29°50'40", long 93°20'40", T.14 S., R.10 W., Calcasieu Parish, Hydrologic Unit 08080206, 2.1 mi (3.4 km) northwest of Cameron.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)
FEB												
29...	1330	11000	7.6	20	5	<1.0	10.2	110	1.7	K10	K4	1200
MAR												
31...	1200	1570	6.7	50	85	<1.0	6.0	54	1.2	1400	480	130
MAY												
01...	1220	17900	7.4	20	10	<1.0	8.0	190	1.2	180	K80	2100
21...	1130	1640	6.8	30	55	<1.0	4.9	40	.7	K910	210	150
JUN												
25...	1135	30500	8.0	10	9	<1.0	7.1	180	2.0	--	K70	4000
JUL												
17...	1215	33900	7.7	10	4	<1.0	6.8	280	.9	<4	K4	4100
AUG												
21...	1455	30900	7.9	15	10	<1.0	9.7	46	2.4	<4	<2	3700
SEP												
04...	1155	33200	8.3	5	7	<1.0	7.8	46	.7	K4	K4	4100

DATE	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
FEB												
29...	1200	76	250	2000	77	25	79	65	0	53	460	3800
MAR												
31...	110	12	25	250	79	9.4	11	24	0	20	65	450
MAY												
01...	2000	130	420	3400	77	33	140	70	0	57	750	6200
21...	130	13	28	250	77	9.0	11	17	0	14	67	440
JUN												
25...	3900	270	810	6300	76	43	270	116	0	95	1200	12000
JUL												
17...	4000	270	820	7000	78	48	280	106	0	87	1800	13000
AUG												
21...	3600	240	760	5800	76	41	120	109	0	89	1700	10000
SEP												
04...	4000	270	830	6900	77	47	240	139	0	114	1600	12000

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

295040093204000 CALCASIEU PASS AT ST. JOHN ISLAND, NEAR CAMERON, LA (CE 73649)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
FEB												
29...	3	.12	.01	.13	.96	.040	1	0	1	0	0	0
MAR												
31...	180	.11	.06	.17	.92	.160	1	0	1	0	--	<1
MAY												
01...	35	.12	.01	.13	.76	.050	1	1	0	10	10	0
21...	62	.10	.03	.13	.84	.100	1	0	1	0	--	<1
JUN												
25...	39	.00	.00	.00	.78	.110	2	1	1	20	10	10
JUL												
17...	120	.00	.00	.00	.55	.070	1	0	1	10	0	10
AUG												
21...	53	.00	.00	.00	1.1	.060	1	0	1	10	0	10
SEP												
04...	51	.00	.00	.00	1.1	.040	1	0	1	10	0	10

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
FEB												
29...	1	1	0	0	0	7	7	0	20	5	5	0
MAR												
31...	1	0	1	0	0	7	6	1	80	8	8	0
MAY												
01...	0	0	0	10	0	4	2	2	40	2	2	0
21...	1	1	0	0	0	6	3	3	80	8	7	1
JUN												
25...	0	0	0	30	0	7	4	3	70	1	1	0
JUL												
17...	0	0	0	10	0	6	3	3	100	6	6	0
AUG												
21...	1	1	0	30	0	10	7	3	90	4	4	0
SEP												
04...	0	--	1	0	0	10	8	2	90	5	5	0

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
FEB												
29...	.0	--	.1	0	0	0	0	0	0	30	10	20
MAR												
31...	.0	.0	.0	5	1	4	0	0	0	20	20	<3
MAY												
01...	.0	.0	.0	4	1	3	0	0	0	10	0	10
21...	.1	.1	.0	6	3	3	0	0	0	20	0	20
JUN												
25...	.2	.2	.0	6	4	2	0	0	0	40	30	10
JUL												
17...	.0	--	.1	5	2	3	0	0	0	--	--	40
AUG												
21...	.0	--	.1	4	1	3	0	0	0	70	50	20
SEP												
04...	.0	--	.1	4	3	1	0	0	0	40	30	10

< Actual value is known to be less than the value shown.

295000093254000 CALCASIEU PASS AT ST. JOHN ISLAND, NEAR CAMERON, LA (CE 73649)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB											
29...	8.0	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR											
31...	10	.00	14	0	.0	.00	.000	.0	.000	.000	.000
MAY											
01...	5.0	.00	0	0	.0	.00	.000	.0	.000	.000	.000
21...	--	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUN											
25...	5.3	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JUL											
17...	6.5	.00	1	0	.0	.00	.000	.0	.000	.000	.000
AUG											
21...	6.0	.02	2	5	.0	.00	.000	.0	.000	.000	.000
SEP											
04...	3.5	.00	0	0	.0	.00	.000	.0	.000	.000	.000

DATE	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)
FEB											
29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
31...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
01...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
17...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
FEB											
29...	.00	.00	.00	.00	.0	.00	.00	.00	.00	17.9	.000
MAR											
31...	.00	.00	.00	.00	.0	.00	.02	.00	.00	.040	.000
MAY											
01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	7.10	.000
21...	.00	.00	.00	.00	.0	.00	.05	.01	.00	1.52	.000
JUN											
25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	--	--
JUL											
17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	7.09	.000
AUG											
21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	14.8	.000
SEP											
04...	.00	.00	.00	.00	.0	.00	.16	.00	.00	.120	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

295500091100000 LAKE VERRET NEAR PIERRE PART, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
NOV 20...	1100	352	8.5	18.5	20	20	10.6	5.0	K20	K300	120	19
JAN 22...	1100	238	6.6	17.0	80	40	3.6	1.1	190	540	74	11
APR 30...	1130	191	7.4	--	30	20	7.1	2.6	K8	960	74	6
JUL 01...	1300	252	8.8	31.0	30	8	9.0	4.6	<4	K48	85	21

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 20...	32	9.8	21	27	.8	3.6	123	6	101	.6	31	25
JAN 22...	20	5.8	12	25	.6	4.9	76	0	62	30	12	19
APR 30...	28	5.8	9.4	21	.5	2.8	83	0	68	5.2	8.8	12
JUL 01...	23	6.6	17	30	.8	2.9	78	6	64	.2	23	24

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)
NOV 20...	.2	6.3	207	196	.28	.06	--	--	--	.130	.40
JAN 22...	.1	7.9	149	119	.20	.18	2.0	2.2	9.7	.140	.43
APR 30...	.2	8.0	133	108	.18	.13	.18	.31	1.4	.230	.71
JUL 01...	.2	3.6	155	144	.21	.02	1.6	1.6	7.2	.150	.46

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
NOV 20...	1	10	1	0	10	0	4	750	10	12000	0

DATE	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 20...	2500	2	420	.0	.05	7	53	11	.00	7	.0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

295500091100000 LAKE VERRET NEAR PIERRE PART, LA--Continued

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 20...	2	.00	0	.00	.0	.0	0	.00	.0	.00	.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)
NOV 20...	.00	.0	.0	.00	.0	.00	.00	.0	.0	.00

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)
NOV 20...	.0	.00	.0	.00	.0	.0	.00	.0	.0	.0

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 20...	.00	.0	.0	.00	0	0	.0	.19	.00	.03

295030091055600 LAKE VERRET NEAR GEORGIA, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV 20...	1200	309	8.6	18.5	20	20	11.8	5.8	<4	K100	110	18
JAN 22...	1200	266	6.7	17.0	50	25	--	--	K30	120	90	10
APR 30...	1120	134	7.3	--	30	10	8.0	4.0	K4	K20	51	5
JUL 01...	1230	100	9.3	31.0	30	6	9.1	4.4	<4	K8	70	22

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

295030091055600 LAKE VERRET NEAR GEORGIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 20...	29	8.7	18	26	.8	3.4	110	10	99	.4	23	22
JAN 22...	24	7.3	14	24	.6	4.2	88	0	72	29	18	20
APR 30...	14	3.8	7.4	23	.5	2.5	56	0	46	4.6	4.6	9.8
JUL 01...	19	5.5	12	26	.6	2.8	58	12	48	.1	7.8	17

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
NOV 20...	.2	7.2	184	176	.25	.01	--	--	--	.150	.46
JAN 22...	.1	7.5	155	138	.21	.29	.63	.92	4.1	.120	.37
APR 30...	.0	5.7	90	76	.12	.06	.97	1.0	4.6	.220	.67
JUL 01...	.2	5.7	127	111	.17	.02	2.8	2.8	12	.210	.64

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
NOV 20...	2	9	2	100	8	0	2	1800	30	14000	0	3500

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
NOV 20...	7	470	.0	.06	10	56	15	.00	7	.0	11	.00

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
NOV 20...	0	.00	.0	.0	0	.00	.0	.00	.2	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

295030091055600 LAKE VERRET NEAR GEORGIA, LA--Continued

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV												
20...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
NOV											
20...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV											
20...	.0	.00	.0	.00	0	0	.00	.0	.06	.00	.01

294301091105700 LAKE PALOURDE AT MORGAN CITY, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV												
20...	1530	348	8.6	20.0	30	15	12.2	5.0	K4	K50	120	27
JAN												
22...	1400	315	7.5	17.5	30	8	11.5	4.4	K15	K40	110	24
APR												
30...	1030	183	7.4	22.0	30	10	8.1	5.6	<4	K140	68	10
JUL												
01...	1100	228	8.9	30.0	20	7	10.6	4.4	K10	K44	82	20

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV												
20...	31	10	21	36	.8	3.4	112	9	92	.4	34	23
JAN												
22...	31	8.6	17	24	.7	3.7	108	0	89	5.6	28	21
APR												
30...	20	4.4	9.1	22	.5	3.3	71	0	58	4.5	13	14
JUL												
01...	22	6.6	14	26	.7	3.0	76	8	62	.2	13	19

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294301091105700 LAKE PALOURDE AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
NOV 20...	.2	5.7	211	192	.29	.07	1.6	1.7	7.4	.120	.37
JAN 22...	.1	5.9	187	168	.25	.24	1.0	1.2	5.5	.080	.25
APR 30...	.0	5.2	112	104	.15	.01	1.2	1.2	5.4	.100	.31
JUL 01...	.2	6.2	150	129	.20	.02	.23	.25	1.1	.210	.64

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
NOV 20...	1	9	1	0	8	0	2	400	10	21000	0

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 20...	0	1	270	.0	.01	4	46	12	.00	2	.0

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
NOV 20...	23	.00	0	.00	.0	.0	0	.00	.2	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

294301091105700 LAKE PALOURDE AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 20...	.4	.00	.0	.0	.00	.0	.00	.00	.0	.0

DATE	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)
NOV 20...	.00	.0	.00	.0	.00	.0	.0	.00	.0	.0

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 20...	.00	.0	.0	.00	0	0	.0	.03	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY

The following water-quality data were collected in cooperation with the Corps of Engineers during dredging operations in the Calcasieu River.

301349093144700 CALCASIEU RIVER AT MILE 36.0 NEAR WESTLAKE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JAN 24...	1111	1430	6.7	80	55	<1.0	48	130	110	13	24	220

DATE	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)
JAN 24...	77	8.4	9.8	21	0	17	6.8	61	370	32	28	4

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)
JAN 24...	.08	.08	.16	.16	.06	.19	.08	1.0	.94	1.2	.20	1.0

DATE	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
JAN 24...	1.4	6.0	.050	.15	.020	1	0	1	0	<1	0

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
JAN 24...	<1	0	0	0	0	4	2	2	200	9	7

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)
JAN 24...	2	90	20	70	.0	.0	.0	6	1	5	0

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301349093144700 CALCASIEU RIVER AT MILE 36.0 NEAR WESTLAKE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
JAN 24...	0	0	40	20	20	15	.00	6	1	.0	.00

DATE	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
JAN 24...	.000	.0	.000	.000	.000	.00	.000	.000

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
JAN 24...	.000	.00	.000	.000	.000	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 24...	.00	.00	.00	.0	.00	.37	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301349093144702 CALCASIEU RIVER AT MILE 36.0 (EFFLUENT) NEAR WESTLAKE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)
JAN 24...	1135	55000	92500	134	2220	7	1	.06	10	15

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN 24...	10	190	.10	0	0	37	0	1600	38	.0

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN 24...	.0	7	1.5	1.3	.0	.0	.0	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN 24...	.0	.0	.0	.0	.0	.0	.0	.0	0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301333093151700 CALCASIEU RIVER AT MILE 34.0 NEAR WESTLAKE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
FEB 06...	1030	2350	6.7	100	60	<1.0	41	250	230	20	48	380

DATE	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
FEB 06...	76	11	15	19	0	16	6.2	100	700	44	31	13

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
FEB 06...	.07	.04	.11	.42	.38	.51	.49	.88	1.0	1.3	1.4

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)
FEB 06...	1.4	6.2	.070	.21	.030	1	1	0	0	0	0

DATE	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
FEB 06...	0	1	10	10	0	0	0	2	170	3	3

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)
FEB 06...	0	110	30	80	.1	.1	.0	2	0	2	0

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301333093151700 CALCASIEU RIVER AT MILE 34.0 NEAR WESTLAKE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
FEB											
06...	0	0	40	0	40	11	.00	1	0	.0	.00

DATE	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
FEB								
06...	.000	.0	.000	.000	.000	.00	.000	.000

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
FEB									
06...	.000	.00	.000	.000	.000	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
FEB								
06...	.00	.00	.00	.0	.00	.03	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301333093151702 CALCASIEU RIVER AT MILE 34.0 (EFFLUENT) NEAR WESTLAKE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	SOLIDS, VOLA- TILE IN BOTTOM MA- TERIAL (MG/KG)	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO- GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)
FEB										
06...	1045	100000	107000	40	1990	8	1	.16	30	23

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
FEB										
06...	40	340	.24	0	0	53	0	1000	57	.0

DATE	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
FEB										
06...	.0	0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
FEB										
06...	.0	.0	.0	.0	.0	.0	.0	.0	0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301259093153600 CALCASIEU RIVER AT MILE 33.5 NEAR WESTLAKE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
MAR 07...	1010	3100	6.9	40	20	<1.0	46	330	310	25	65	500

DATE	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
MAR 07...	75	12	22	22	0	18	4.5	150	910	19	8	11

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
MAR 07...	.11	.01	.12	.30	.30	.36	.39	.70	.80	1.0	--	1.1

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
MAR 07...	1.1	5.0	.030	.09	.020	1	0	1	0	0	0	0

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
MAR 07...	0	0	10	10	0	0	5	3	2	70	2

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

[illegible] CALCASIEU RIVER AT MILE 33.1 NEAR WESTLAKE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)
AUG 07...	2	0	110	0	110	.1	.2	0	0	0	0

DATE	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)
AUG 07...	0	0	20	0	20	0.5	.00	0	0	.0	.00

DATE	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
AUG 07...	.000	.0	.000	.000	.000	.00	.000	.000

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
AUG 07...	.000	.00	.000	.000	.000	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
AUG 07...	.00	.00	.00	.0	.00	.13	.00	.03

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301259093153602 CALCASIEU RIVER AT MILE 33.5 (EFFLUENT) NEAR WESTLAKE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)
MAR 07...	1050	7100	145000	.0	2520	2	0	.12	30	16

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAR 07...	0	380	.20	0	0	57	0	3100	22	.0

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAR 07...	.0	0	.0	.0	.0	.0	.0	.4	.0	.0

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAR 07...	.0	.0	.0	.0	.0	.0	.0	.0	0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301222093162300 CALCASIEU RIVER AT MILE 32.4 NEAR MAPLEWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
APR 03...	1000	65	6.0	70	40	<1.0	53	12	5	3.1	1.0	6.8

DATE	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
APR 03...	53	.9	1.2	8	0	7	13	3.2	11	21	18	3

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
APR 03...	.05	.01	.06	.11	.11	.13	.14	1.2	.57	1.3	.62	.68

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)
APR 03...	1.4	6.0	.080	.25	.030	1	1	0	0	<1	1	0

DATE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)
APR 03...	1	0	0	0	0	1	2	100	5	5	0

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301222093162300 CALCASIEU RIVER AT MILE 32.4 NEAR MAPLEWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
APR 03...	70	30	40	.0	.0	.0	2	2	0	0	0

DATE	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
APR 03...	0	1.0	20	20	<3	12	.00	0	0	.0	.00

DATE	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
APR 03...	.000	.0	.000	.000	.000	.00	.000	.000

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
APR 03...	.000	.00	.000	.000	.000	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
APR 03...	.00	.00	.00	.0	.00	.01	.00	.00

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301222093162302 CALCASIEU RIVER AT MILE 32.4 (EFFLUENT) NEAR MAPLEWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	SOLIDS, VOLA- TILE IN BOTTOM MA- TERIAL (MG/KG)	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO- GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)
APR 03...	1100	16000	19300	32	416	1	0	.02	8	14

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
APR 03...	0	87	.18	10	0	18	0	1000	93	.0

DATE	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
APR 03...	.0	0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
APR 03...	.0	.0	.0	.0	.0	.0	.0	.0	0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301148093171700 CALCASIEU RIVER AT MILE 31.4 NEAR HOLLYWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
MAY											
01...	0950	4720	5.8	20	5	<1.0	130	460	450	38	89

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)
MAY											
01...	790	77	16	31	17	0	14	45	240	1400	27

DATE	SOLIDS, NON- VOLA- TILE, SUS- PENDED (MG/L)	SOLIDS, VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
MAY											
01...	21	6	.02	.02	.04	4.7	5.7	2.0	6.7	6.7	30

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)
MAY											
01...	.140	.43	.060	1	0	1	0	0	0	1	1

DATE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)
MAY											
01...	0	20	20	0	0	14	9	5	260	16	15

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301148093171700 CALCASIEU RIVER AT MILE 31.4 NEAR HOLLYWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)
MAY											
01...	1	220	10	210	.1	.0	.1	9	2	7	2

DATE	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
MAY											
01...	1	1	70	30	40	22	.15	62	2	.0	.00

DATE	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
MAY											
01...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00	.000

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)
MAY											
01...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301148093171702 CALCASIEU RIVER AT MILE 31.4 (EFFLUENT) NEAR HOLLYWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)
MAY										
01...	1020	210000	142000	842	6070	6	1	1	40	19

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY										
01...	30	490	.52	8	0	57	1	1500	15	.0

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY										
01...	.0	0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY									
01...	.0	.0	.0	.0	.0	.0	.0	0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300629093195400 CALCASIEU RIVER AT MILE 24.0 NEAR HOLLYWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
JUN 05...	0900	485	5.8	70	20	<1.0	40	26	13	6.2	2.6	80

DATE	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
JUN 05...	86	6.8	2.1	16	0	13	42	24	120	8	1	7

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
JUN 05...	.76	.98	.74	1.5	.090	1	0	1	0	<1	1

DATE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
JUN 05...	1	0	0	0	0	13	7	6	250	9	7

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)
JUN 05...	2	130	50	80	.1	.1	.0	7	7	0	0

DATE	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
JUN 05...	0	0	80	60	20	16	.00	7	0	.3	.00

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300629093195400 CALCASIEU RIVER AT MILE 24.0 NEAR HOLLYWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
JUN								
05...	.000	.0	.000	.000	.000	.00	.000	.000

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
JUN									
05...	.000	.00	.000	.000	.000	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUN								
05...	.00	.00	.00	.0	.00	.60	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300629093195402 CALCASIEU RIVER AT MILE 24.0 (EFFLUENT) NEAR HOLLYWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	C.O.D. TOTAL IN BOTTOM MA-TERIAL (MG/KG)	SOLIDS, VOLA-TILE IN BOTTOM MA-TERIAL (MG/KG)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)
JUN 05...	1010	100000	120000	380	2430	10	1	.10	26	46

DATE	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 05...	50	6800	.27	20	0	70	0	0	17	.0

DATE	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 05...	.0	0	.9	.0	.0	.0	.0	.0	.0	.0

DATE	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 05...	.0	.0	.0	.0	.0	.0	.0	.0	0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300530093193000 CALCASIEU RIVER AT MILE 23.0 NEAR HACKBERRY, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JUL 22...	1030	42100	7.8	10	10	<1.0	160	5400	5200	330	1100

DATE	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
JUL 22...	8700	77	52	330	128	0	105	3.2	1900	16000	9

DATE	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)
JUL 22...	0	22	.04	.10	.14	.45	.58	1.4	1.6	--	1.8

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)
JUL 22...	1.7	7.7	.090	.28	.090	2	0	2	10	0	10

DATE	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)
JUL 22...	0	0	0	30	0	30	0	16	4	12	190

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)
JUL 22...	6	3	3	410	20	390	.0	.1	3	4	0

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300530093193000 CALCASIEU RIVER AT MILE 23.0 NEAR HACKBERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
JUL 22...	0	0	80	0	80	4.3	.00	5	0	.0	.00

DATE	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
JUL 22...	.000	.0	.000	.000	.000	.00	.000	.000

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
JUL 22...	.000	.00	.000	.000	.000	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUL 22...	.00	.00	.00	.0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Conitnued

300530093193002 CALCASIEU RIVER AT MILE 23.0 (EFFLUENT) NEAR HACKBERRY, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL 22...	1115	10	.0	.0	0	.0	.0	.0	.0	.0	.0	.0

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL 22...	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

[illegible] STUDY

The following water-quality data were collected in cooperation with the Corps of Engineers, before dredging operations in Mississippi River Gulf Outlet, Barataria Bay, Southwest Pass, Atchafalaya Bay, and Calcasieu Ship Channel.

[illegible]

WATER QUALITY DATA, WATER YEAR OCTOBER [illegible] TO SEPTEMBER [illegible]

[illegible]

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

[illegible] GULF OF MEXICO 3.1 MILES WEST OF MISSISSIPPI RIVER GULF OUTLET AT MILE -1.0 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)
OCT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DATE	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DATE	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)
OCT [illegible]	---	[illegible]	[illegible]	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (MG/KG AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)
OCT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ELUTRIATE STUDY--Continued

292751089070500 GULF OF MEXICO 3.5 MILES WEST OF MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, DIS-SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLY-CHLOR., TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DIS-SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DIS-SOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DIS-SOLVED (UG/L)
OCT												
30...	--	.0	3	.00	.0	--	.000	.0	--	.0	10	--
30...	.0	--	--	--	--	.000	--	--	.0	--	--	.000

DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DIS-SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-AZINON, DIS-SOLVED (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN, DIS-SOLVED (UG/L)
OCT												
30...	.000	.0	--	.000	.0	--	.000	.0	--	.00	.0	--
30...	--	--	.000	--	--	.000	--	--	.01	--	--	.000

DATE	DI-ELDRIN, TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE, DIS-SOLVED (UG/L)
OCT												
30...	.000	.0	.000	--	.000	.0	.00	.0	--	.000	.0	--
30...	--	--	--	.000	--	--	--	--	.000	--	--	.000

[illegible]

[illegible]

[illegible]

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

[illegible] GULF OF MEXICO 400 YARDS EAST OF SOUTHWEST PASS AT MILE 21.0 (BHP), NEAR BURRWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA-TERIAL (MG/KG)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT 29...	1200	27900	8.3	10	8	<1.0	410	32000	3500	3400	220

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 29...	720	5600	75	43	5700	200	136	0	112	1.1	1500

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE IN BOTTOM MA-TERIAL (MG/KG)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AMMONIA TOTAL IN BOT. MAT. (MG/KG AS N)
OCT 29...	9800	34	48000	18	12	.66	.01	.65	.06	.60	27

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,AM-MONIA + ORG. TOT IN BOT MAT (MG/KG AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT 29...	.08	.08	.84	.78	1.0	.26	.78	4600	1.5	6.6	.09

DATE	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
OCT 29...	.28	.10	2	1	1	8	10	10	[illegible]	[illegible]	[illegible]

< Actual value is known to be less than the value shown.

ELUTRIATE STUDY--Continued

285339089254800 GULF OF MEXICO 400 YARDS EAST OF SOUTHWEST PASS AT MILE 21.0 (BHP), NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)
OCT											
24...	--	1	.17	10	0	10	10	0	0	0	0

DATE	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L ~~AS PB~~)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT											
24...	14	90	0	0	0	20	60	0	40	500	.0

DATE	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)
OCT											
24...	.0	.0	.05	0	--	3	15	0	0	0	1

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)
OCT										
24...	12	0	10	65	5.0	.00	60	5	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

285339089254800 GULF OF MEXICO 400 YARDS EAST OF SOUTHWEST PASS AT MILE 21.0 (BHP), NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT											
24...	.0	26	.00	.0	.000	.0	.0	6	.000	6.3	.000
24...	--	--	--	--	--	--	--	--	--	--	--

DATE	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)
OCT											
24...	2.0	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00
24...	--	--	--	--	--	--	--	--	--	--	--

DATE	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)
OCT											
24...	.0	.000	.0	.000	.0	.000	.0	.00	.0	.00	.0
24...	--	--	--	--	--	--	--	--	--	--	--

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOXA-PHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT											
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0
24...	--	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOROPHYLL A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOROPHYLL B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT										
24...	.00	.0	--	.00	--	.00	--	.00	2.55	.000
24...	--	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE STUDY--Continued

291511089551200 GULF OF MEXICO 300 YARDS WEST OF BARATARIA BAY WATERWAY AT MILE -0.9, AT GRAND ISLE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA-TERIAL (MG/KG)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT 18...	1200	38800	8.3	5	6	<1.0	880	67000	5200	5100	280

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 18...	1100	8300	76	50	8700	410	142	0	116	1.1	2100

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE IN BOTTOM MA-TERIAL (MG/KG)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)
OCT 18...	15000	48	80700	28	20	.01	.02	.03	.11	.01	75

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT 18...	.14	.01	.42	.38	.53	.14	.39	7000	.56	2.5	.07

DATE	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD
OCT 18...	.21	.03	1	1	0	4	10	10	0	0	1

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

291511089551200 GULF OF MEXICO 300 YARDS WEST OF BARATARIA BAY WATERWAY AT MILE -0.9, AT GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT											
18...	0	1	.11	30	20	10	8	0	0	0	0

DATE	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
OCT											
18...	13	130	15	15	0	20	50	30	20	490	.0

DATE	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
OCT											
18...	--	.2	.06	4	2	2	15	0	0	0	1

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
OCT										
18...	30	10	20	43	8.6	.00	130	1	1	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

291511089551200 GULF OF MEXICO 300 YARDS WEST OF BARATARIA BAY WATERWAY AT MILE -0.9, AT GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)
OCT												
18...	--	.0	7	.00	.0	--	.000	.0	--	.0	0	--
18...	.0	--	--	--	--	.000	--	--	.0	--	--	.000

DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)
OCT												
18...	.000	.8	--	.000	.1	--	.000	.0	--	.00	.0	--
18...	--	--	.000	--	--	.000	--	--	.01	--	--	.000

DATE	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)
OCT												
18...	.000	.2	.000	--	.000	.0	.00	.0	--	.000	.0	--
18...	--	--	--	.000	--	--	--	--	.000	--	--	.000

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, DISSOLVED (UG/L)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)
OCT												
18...	.000	.0	--	.000	.0	--	.00	.0	.00	.0	--	.00
18...	--	--	.000	--	--	.00	--	--	--	--	.00	--

DATE	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)
OCT												
18...	.0	.00	.0	--	.00	.0	--	.00	.0	.00	--	.0
18...	--	--	--	.00	--	--	.01	--	--	--	.0	--

DATE	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, DISSOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DISSOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DISSOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT											
18...	0	.00	.0	--	.00	--	.00	--	.00	0.00	.000
18...	--	--	--	.00	--	.00	--	.00	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

292119091235200 GULF OF MEXICO IN ATCHAFALAYA BAY, NEAR EUGENE ISLAND, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT 25...	0930	3120	8.1	15	25	<1.0	600	47000	460	350	59

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 25...	76	500	69	10	530	25	131	0	107	1.7	190

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SOLIDS, VOLA- TILE IN BOTTOM MA- TERIAL (MG/KG)	SOLIDS, NON- VOLA- TILE, SUS- PENDED (MG/L)	SOLIDS, VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)
OCT 25...	860	14	83700	14	0	.00	.01	.01	.04	.03	39

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 25...	.05	.04	.45	.34	.49	.12	.37	6250	.50	2.2	.06

DATE	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
OCT 25...	.12	.01	3	2	1	10	0	0	0	0	0

< Actual value is known to be less than the value shown.

ELUTRIATE STUDY--Continued

292119091235200 GULF OF MEXICO IN ATCHAFALAYA BAY, NEAR EUGENE ISLAND, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 25...	0	0	.09	10	10	0	9	0	2	1	1

DATE	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
OCT 25...	13	20	4	4	0	15	80	80	0	450	.0

DATE	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
OCT 25...	.0	.0	.05	2	--	4	15	0	0	0	1

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
OCT 25...	10	10	0	50	3.0	.00	1	2	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

292119091235200 GULF OF MEXICO IN ATCHAFALAYA BAY, NEAR EUGENE ISLAND, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCN, DIS- SOLVED (UG/L)	PCN, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, DIS- SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, DIS- SOLVED (UG/L)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, DIS- SOLVED (UG/L)
OCT												
25...	--	.0	6	.00	.0	--	.000	.0	--	.0	1	--
25...	.0	--	--	--	--	.000	--	--	.0	--	--	.000

DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, DIS- SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, DIS- SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, DIS- SOLVED (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN DIS- SOLVED (UG/L)
OCT												
25...	.000	1.4	--	.000	.3	--	.000	.0	--	.00	.0	--
25...	--	--	.000	--	--	.000	--	--	.02	--	--	.000

DATE	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, DIS- SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, DIS- SOLVED (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE DIS- SOLVED (UG/L)
OCT												
25...	.000	.3	.000	--	.000	.0	.00	.0	--	.000	.0	--
25...	--	--	--	.000	--	--	--	--	.000	--	--	.000

DATE	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS- SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, DIS- SOLVED (UG/L)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, DIS- SOLVED (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT												
25...	.000	.0	--	.000	.0	--	.00	.0	.00	.0	--	.00
25...	--	--	.000	--	--	.00	--	--	--	--	.00	--

DATE	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DIS- SOLVED (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, DIS- SOLVED (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, DIS- SOLVED (UG/L)	TOX- APHENE, TOTAL (UG/L)
OCT												
25...	.0	.00	.0	--	.00	.0	--	.00	.0	.00	--	.0
25...	--	--	--	.00	--	--	.00	--	--	--	.0	--

DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, DIS- SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DIS- SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS- SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT											
25...	0	.00	.0	--	.00	--	.00	--	.00	[illegible]	[illegible]
25...	--	--	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE STUDY--Continued

293512093174200 GULF OF MEXICO 300 YARDS SOUTHEAST OF CALCASIEU SHIP CHANNEL AT MILE -12.0, NEAR CAMERON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA-TERIAL (MG/KG)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT												
18...	1024	41800	8.2	5	4	<1.0	750	14000	5300	5100	290	1100

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	SODIUM, POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
OCT												
18...	8600	76	50	8900	450	140	0	115	1.4	2400	16000	68

DATE	SOLIDS, VOLA-TILE IN BOTTOM MA-TERIAL (MG/KG)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
OCT												
18...	9300	32	36	.00	.01	.01	.08	.08	20	.10	.10	.32

DATE	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)
OCT												
18...	.27	.40	.05	.35	2600	.41	1.8	.03	.09	.02	2	1

< Actual value is known to be less than the value shown.

ELUTRIATE STUDY--Continued

293512093174200 GULF OF MEXICO 300 YARDS SOUTHEAST OF CALCASIEU SHIP CHANNEL AT MILE -12.0, NEAR CAMERON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
OCT												
10...	1	0	10	0	10	0	0	1	.02	30	20	10

DATE	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
OCT												
10...	4	0	1	1	0	3	140	26	24	0	0	40

DATE	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
OCT												
10...	10	30	192	.0	.1	.01	2	4	0	0	0	0

DATE	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)
OCT											
10...	0	40	20	20	10	2.5	.30	0	2	0	0

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ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

293512093174200 GULF OF MEXICO 300 YARDS SOUTHEAST OF CALCASIEU SHIP CHANNEL AT MILE -12.0, NEAR CAMERON, LA-- Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)
OCT												
18...	--	.0	3	.00	.0	--	.000	.0	--	.0	0	--
18...	.0	--	--	--	--	.000	--	--	.0	--	--	.000

DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)
OCT												
18...	.000	.2	--	.000	.2	--	.000	.0	--	.00	.0	--
18...	--	--	.000	--	--	.000	--	--	.04	--	--	.000

DATE	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)
OCT												
18...	.000	.0	.000	--	.000	.0	.00	.0	--	.000	.0	--
18...	--	--	--	.000	--	--	--	--	.000	--	--	.000

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, DISSOLVED (UG/L)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)
OCT												
18...	.000	.0	--	.000	.0	--	.00	.0	.00	.0	--	.00
18...	--	--	.000	--	--	.00	--	--	--	--	.00	--

DATE	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)
OCT												
18...	.0	.00	.0	--	.00	.0	--	.00	.0	.00	--	.0
18...	--	--	--	.00	--	--	.00	--	--	--	.0	--

DATE	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, DISSOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DISSOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DISSOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT											
18...	0	.00	.0	--	1.3	--	.04	--	.00	2.29	.000
18...	--	--	--	1.0	--	.03	--	.00	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

POTAMOLOGICAL STUDY

The following water-quality sites are being sampled as part of a potamological study on a distributary of the lower Mississippi River in cooperation with the Louisiana Department of Transportation and Development, Office of Public Works.

292141089174800 BAPTISTE COLLETTE (MAIN PASS) AT BRETON SOUND 6.9 MILES NORTHEAST OF VENICE,LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
SEP											
10...	1230	8850	7.6	31.0	10	10	9.3	96	740	K240	K20

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
SEP											
10...	920	810	87	170	130	0	107	390	2500	23	.87

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)
SEP											
10...	.03	.90	.00	.00	.00	.00	.97	.82	.97	.15	.82

DATE	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
SEP											
10...	1.9	8.3	.240	.74	.200	2	0	2	0	0	0

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
SEP											
10...	1	1	0	10	2	6	0	6	30	6	5

K Results based on colony count outside the acceptable range (non-ideal count).

292141089174800 BAPTISTE COLLETTE (MAIN PASS) AT BRETON SOUND 6.9 MILES NORTHEAST OF VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
SEP											
10...	1	.2	.2	.0	6	4	2	0	0	0	60

DATE	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
SEP											
10...	30	30	4.3	.01	13	0	.0	.00	.000	.0	.000

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)
SEP											
10...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
SEP											
10...	.00	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
10...	1230	0.5	8050	7.6	31.0	9.3
10...	1231	5.0	24500	7.6	30.5	9.3
10...	1232	8.0	32500	7.0	28.5	3.8

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

POTAMOLOGICAL STUDY--Continued

291901089190200 BAPTISTE COLLETTE (MAIN PASS NEAR JUNCTION) 3.7 MILES NORTH-NORTHEAST OF VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
SEP											
10...	1245	500	7.5	29.5	5	10	6.2	23	700	K20	K20

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)
SEP											
10...	160	56	41	14	127	0	104	74	37	33	1.2

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)
SEP											
10...	.02	1.2	.00	.00	.00	.00	.90	.76	.90	.14	.76

DATE	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
SEP											
10...	2.1	9.3	.280	.86	.240	2	0	2	0	<1	1

DATE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)
SEP											
10...	<1	0	1	6	0	6	10	4	2	2	.1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

POTAMOLOGICAL STUDY--Continued

291901089190200 BAPTISTE COLLETTE (MAIN PASS NEAR JUNCTION) 3.7 MILES NORTH-NORTHEAST OF VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)
SEP											
10...	.1	.0	9	6	3	0	0	0	3.0	40	20

DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
SEP											
10...	20	8.3	.01	3	0	.0	.00	.000	.0	.000	.000

DATE	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
SEP											
10...	.000	.02	.001	.000	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
SEP										
10...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
10...	1245	.5	500	7.5	29.5	6.2
10...	1246	5.0	499	7.5	29.5	6.2
10...	1247	10	497	7.5	29.0	6.1
10...	1248	15	496	7.5	29.0	6.1
10...	1249	20	455	7.5	29.0	6.0

291900089184500 KIMBEL PASS (NEAR MAIN PASS) 3.9 MILES NORTHEAST OF VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
SEP											
10...	1300	492	7.5	29.0	5	10	6.1	23	480	420	K20

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
SEP											
10...	160	58	42	14	128	0	105	83	37	23	1.2

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
SEP											
10...	.02	1.2	.01	.02	.01	.03	1.2	.88	1.2	.30	.90

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
SEP											
10...	2.4	11	.280	.86	.240	2	0	2	0	<1	0

DATE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
SEP											
10...	<1	0	0	7	4	3	10	2	0	2	.0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

POTAMOLOGICAL STUDY--Continued

291900089184500 KIMBEL PASS (NEAR MAIN PASS) 3.9 MILES NORTHEAST OF VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)
SEP											
10...	.0	.0	8	6	2	1	1	0	2.0	40	30

DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
SEP											
10...	6	4.5	.00	3	0	.0	.00	.000	.0	.000	.000

DATE	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
SEP											
10...	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
SEP										
10...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
10...	1300	0.5	492	7.5	29.0	6.1
10...	1301	5.0	491	7.5	29.0	6.1
10...	1302	10	490	7.5	29.0	6.1
10...	1303	15	490	7.4	29.0	6.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

POTAMOLOGICAL STUDY--Continued

291809089184900 EMALINE PASS (NEAR MAIN PASS) 3.2 MILES NORTHEAST OF VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
SEP 10...	1315	483	7.5	29.5	5	15	6.2	72	520	K340	K40

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
SEP 10...	150	49	40	13	127	0	104	84	32	23	1.2

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)
SEP 10...	.02	1.2	.00	.00	.00	.00	.99	.77	.99	.22	.77

DATE	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
SEP 10...	2.2	9.7	.280	.86	.240	2	0	2	0	<1	1

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
SEP 10...	1	10	0	7	3	4	10	6	3	3	.0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

POTAMOLOGICAL STUDY--Continued

291809089184900 EMALINE PASS (NEAR MAIN PASS) 3.2 MILES NORTHEAST OF VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY, SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
SEP											
10...	.0	.0	8	6	2	0	0	0	2.0	60	50

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
SEP											
10...	9	4.1	.01	3	0	.0	.00	.000	.0	.000	.000

DATE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
SEP											
10...	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
SEP										
10...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00

DATE	TIME	SAMP-LING DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
10...	1315	0.5	483	7.5	29.5	6.2
10...	1316	5.0	483	7.5	29.5	6.2
10...	1317	10	482	7.5	29.5	6.2
10...	1318	15	482	7.5	29.5	6.0
10...	1319	20	483	7.5	29.0	6.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

POTAMOLOGICAL STUDY--Continued

291728089210000 BAPTISTE COLLETTE BAYOU 1.2 MILES NORTH OF VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
SEP											
10...	1330	474	7.5	29.0	10	10	6.0	28	980	420	<20

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
SEP											
10...	160	58	42	14	127	0	104	83	35	20	1.1

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)
SEP											
10...	.02	1.1	.08	.11	.10	.14	1.4	1.1	1.5	.30	1.2

DATE	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
SEP											
10...	2.6	12	.260	.80	.220	2	0	2	0	<1	1

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
SEP											
10...	1	0	0	12	5	7	10	3	[illegible]	3	.0

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

POTAMOLOGICAL STUDY--Continued

291728089210000 BAPTISTE COLLETTE BAYOU 1.2 MILES NORTH OF VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
SEP											
10...	.0	.0	12	8	4	1	1	0	2.0	40	30

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
SEP											
10...	9	6.0	.00	3	0	.0	.00	.000	.0	.000	.000

DATE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
SEP											
10...	.000	.02	.003	.000	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
SEP										
10...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00

DATE	TIME	SAMP-LING DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
10...	1330	.5	474	7.5	29.0	6.0
10...	1331	5.0	474	7.5	29.0	6.0
10...	1332	45	480	7.5	29.0	6.0

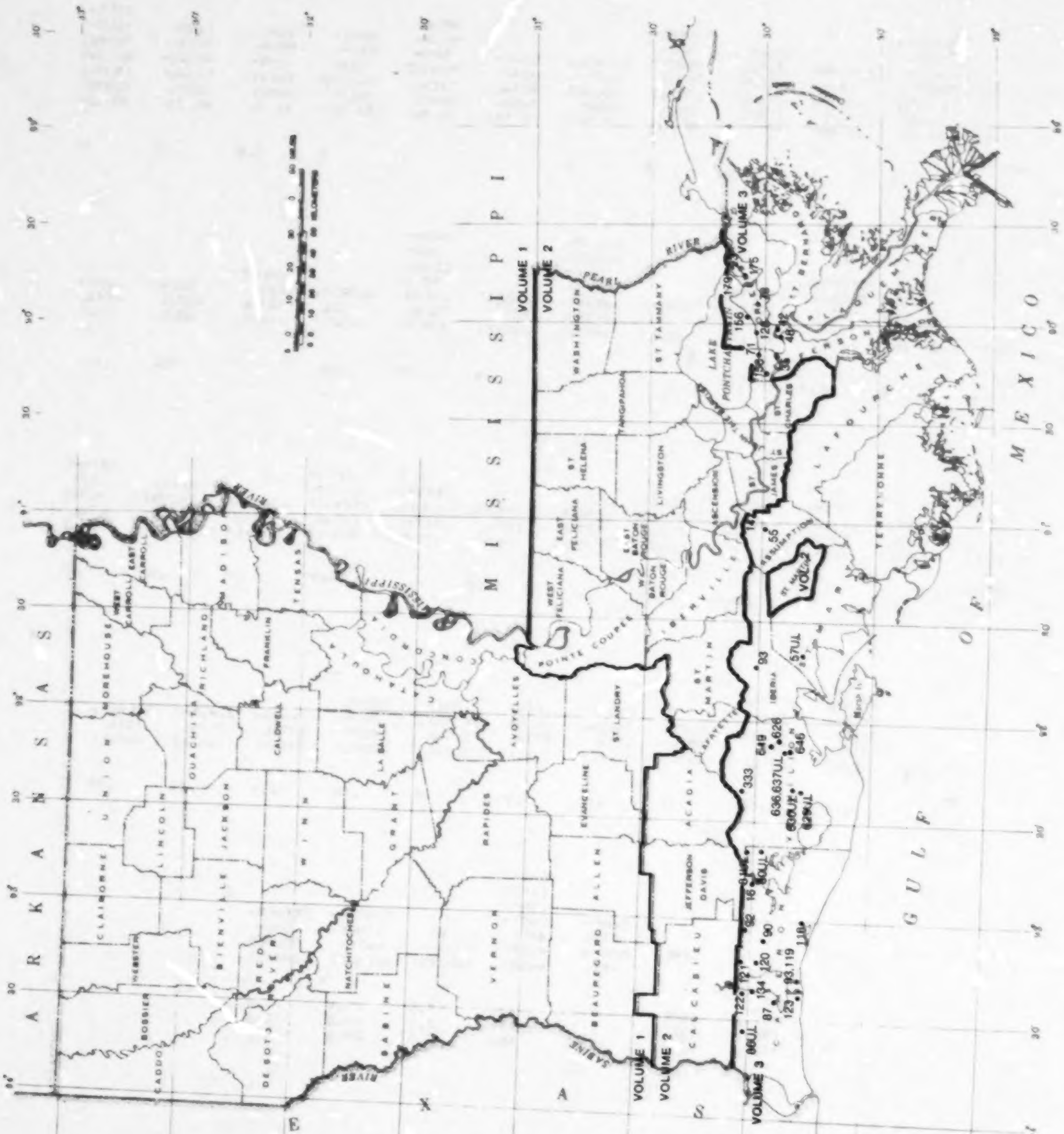
A R K A N S A S
M I S S I S S I P P I
T E X A S
G U L F O F M E X I C O
VOLUME 1
VOLUME 2
VOLUME 3
CADDO
BOSSIER
WEBSTER
CLAIBORNE
UNION
MOREHOUSE
WEST CARROLL
EAST CARROLL
LINCOLN
OUACHITA
RICHLAND
MADISON
DE SOTO
RED RIVER
BIENVILLE
JACKSON
CALDWELL
FRANKLIN
TENSAS
SABINE
NATCHITOCHES
WINN
GRANT
LA SALLE
CATAHOULA
CONCORDIA
VERNON
RAPIDES
AVOYELLES
BEAUREGARD
ALLEN
EVANGELINE
ST LANDRY
POINTE COUPEE
WEST FELICIANA
EAST FELICIANA
ST HELENA
TANGIPAHOA
WASHINGTON
ST TAMMANY
EAST BATON ROUGE
WEST BATON ROUGE
LIVINGSTON
ASCENSION
IBERVILLE
ST MARTIN
LAFAYETTE
ACADIA
JEFFERSON DAVIS
CALCASIEU
IBERIA
ASSUMPTION
ST MARY
TERREBONNE
LAFOURCHE
ST CHARLES
ST JAMES
LAKE PONTCHARTRAIN
PEARL RIVER
MISSISSIPPI RIVER
SABINE RIVER
333
93
649
626
646
636,637UL
571UL
55
156
175
175
125
98
487
122
121
134
120
90
92
16
87
123
93,119
118
86UL
80UL

Figure 5.--Location of observation wells.

ASSUMPTION PARISH

300208090573401   LOCAL WELL NUMBER: AS-14

OWNER: SHELL OIL CO. (SEC. 42, T. 12S., R. 15E.) DRILLED UNUSED ARTESIAN WELL IN MISSISSIPPI
RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 159 FT, SCREENED INTERVAL UNKNOWN. MP
LOWER EDGE OF 4-IN COUPLING ON DISCHARGE PIPE, 1.70 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 6.40 ABOVE LSD, MAY 21, 1979,
LOWEST WATER LEVEL 5.55 BELOW LSD, NOV. 16, 1978.
RECORDS AVAILABLE 1958-64, 1966, 1969-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	3.13						

295918091030101   LOCAL WELL NUMBER: AS-55

OWNER: MEDERIC LEBLANC. (SEC. 31, T. 12S., R. 14E.) DRILLED UNUSED ARTESIAN WELL IN MISSISSIPPI
RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 168 FT, SCREENED INTERVAL UNKNOWN. MP
TOP INSIDE EDGE OF 1 1/2-IN ELBOW, 1.40 FT ABOVE LSD.
LSD 16.00 FT NGVD.
HIGHEST WATER LEVEL 9.54 BELOW LSD, MAY 17, 1973,
LOWEST WATER LEVEL 18.16 BELOW LSD, NOV. 13, 1978.
RECORDS AVAILABLE 1960-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1979	16.40	MAY 9, 1980	12.38				

CAMERON PARISH

295935092473001   LOCAL WELL NUMBER: CN-16

OWNER: MAPLE HUGHES ESTATE. (SEC. 20, T. 12E., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT
AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN, REPORTED DEPTH 350 FT, SCREENED INTERVAL UNKNOWN. MP
LOWER LIP OF DISCHARGE PIPE, 1.60 FT ABOVE LSD.
LSD 5.03 FT NGVD.
HIGHEST WATER LEVEL 5.59 BELOW LSD, MAY 21, 1947,
LOWEST WATER LEVEL 35.37 BELOW LSD, JULY 20, 1978.
RECORDS AVAILABLE 1946-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 25, 1980	29.67						

295846092381104   LOCAL WELL NUMBER: CN-80U

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN
CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 453 FT, SCREENED 443-453. MP TOP OF 1-IN PIPE,
3.32 FT ABOVE LSD.
LSD 4.73 FT NGVD.
HIGHEST WATER LEVEL 19.42 BELOW LSD, MAR. 22, 1965,
LOWEST WATER LEVEL 30.80 BELOW LSD, JUNE 20, 1978.
RECORDS AVAILABLE 1964-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1980	25.73						

295846092381105   LOCAL WELL NUMBER: CN-80L

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN
CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 481 FT, SCREENED 475-481. MP TOP OF 1-IN
PIPE, 3.32 FT ABOVE LSD.
LSD 4.73 FT NGVD.
HIGHEST WATER LEVEL 19.47 BELOW LSD, MAR. 22, 1965,
LOWEST WATER LEVEL 30.88 BELOW LSD, JUNE 20, 1978.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1980	25.86						

300125092382503   LOCAL WELL NUMBER: CN-81U

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 448 FT, SCREENED 438-448. MP TOP OF 1-IN PIPE, 3.18 FT ABOVE LSD.
LSD 4.45 FT NGVD.
HIGHEST WATER LEVEL 20.92 BELOW LSD, MAR. 22, 1965.
LOWEST WATER LEVEL 30.48 BELOW LSD, OCT. 23, 1969.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1980	27.51						

300125092382504   LOCAL WELL NUMBER: CN-81L

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 478 FT, SCREENED 468-478. MP TOP OF 1-IN PIPE, 3.18 FT ABOVE LSD.
LSD 4.45 FT NGVD.
HIGHEST WATER LEVEL 20.99 BELOW LSD, MAR. 22, 1965.
LOWEST WATER LEVEL 30.42 BELOW LSD, APR. 27, 1972.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1980	27.82						

300120093320801   LOCAL WELL NUMBER: CN-86U

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 12S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 535 FT, SCREENED 525-535. MP TOP OF 1-IN PIPE, 2.91 FT ABOVE LSD.
LSD 3.66 FT NGVD.
HIGHEST WATER LEVEL 32.01 BELOW LSD, APR. 12, 1965.
LOWEST WATER LEVEL 51.22 BELOW LSD, SEP. 19, 1971.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 12, 1980	47.66						

300120093320802   LOCAL WELL NUMBER: CN-86L

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 12S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN, DEPTH 641 FT, SCREENED 631-641. MP TOP OF 1-IN PIPE, 2.91 FT ABOVE LSD.
LSD 3.66 FT NGVD.
HIGHEST WATER LEVEL 32.16 BELOW LSD, APR. 12, 1965.
LOWEST WATER LEVEL 51.34 BELOW LSD, SEP. 19, 1971.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 12, 1980	47.79						

295324093240602   LOCAL WELL NUMBER: CN-87

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 13S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 804 FT, SCREENED 798-804. MP TOP OF 2-IN CASING, 1.00 FT ABOVE LSD.
LSD 8.46 FT NGVD.
HIGHEST WATER LEVEL 22.38 BELOW LSD, DEC. 16, 1963.
LOWEST WATER LEVEL 49.63 BELOW LSD, SEP. 28, 1978.
RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1980	45.87						

295611093044801 LOCAL WELL NUMBER: CN-90

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 13S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN. DEPTH 396 FT. SCREENED 386-396. MP TOP OF 4-IN CASING, 1.71 FT ABOVE LSD.
LSD 3.19 FT NGVD.
HIGHEST WATER LEVEL 20.04 BELOW LSD, APR. 13, 1965.
LOWEST WATER LEVEL 36.85 BELOW LSD, AUG. 14, 1973.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 13, 1980	29.40						

300104093015601 LOCAL WELL NUMBER: CN-92

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 12S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN. DEPTH 443 FT. SCREENED 438-443. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 5.50 FT NGVD.
HIGHEST WATER LEVEL 26.02 BELOW LSD, APR. 13, 1965.
LOWEST WATER LEVEL 53.96 BELOW LSD, AUG. 14, 1973.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 15, 1980	35.79						

294709093174301 LOCAL WELL NUMBER: CN-93

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 16, T. 15S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN. DEPTH 360 FT. SCREENED 355-360. MP TOP OF 2-IN CASING, 3.00 FT ABOVE LSD.
LSD 3.76 FT NGVD.
HIGHEST WATER LEVEL 9.64 BELOW LSD, DEC. 15, 1965.
LOWEST WATER LEVEL 25.83 BELOW LSD, FEB. 28, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 14, 1980	25.23						

294615093004201 LOCAL WELL NUMBER: CN-118

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 15S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN. DEPTH 638 FT. SCREENED 628-638. MP TOP OF 2-IN CASING, 2.33 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 20.58 BELOW LSD, APR. 28, 1975.
LOWEST WATER LEVEL 23.39 BELOW LSD, DEC. 6, 1979.
RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	23.39						

294709093174302 LOCAL WELL NUMBER: CN-119

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN. DEPTH 910 FT. SCREENED 900-910. MP TOP OF 2-IN CASING, 2.06 FT ABOVE LSD.
LSD 3.50 FT NGVD.
HIGHEST WATER LEVEL 29.34 BELOW LSD, JUNE 19, 1975.
LOWEST WATER LEVEL 31.49 BELOW LSD, DEC. 9, 1974.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 14, 1980	30.23						

295721093115701 LOCAL WELL NUMBER: CN-120

OWNER: U. S. GEOL. SURVEY. (T. 13S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 764 FT. SCREENED 754-764. MP TOP OF 2-IN CASING, 2.30 FT ABOVE LSD.
LSD 3.00 FT NGVD.
HIGHEST WATER LEVEL 36.85 BELOW LSD, DEC. 3, 1975.
LOWEST WATER LEVEL 51.82 BELOW LSD, JUNE 16, 1978.
RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	45.41						

300040093161801 LOCAL WELL NUMBER: CN-121

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 691 FT. SCREENED 681-691. MP TOP OF 2-IN CASING, 2.50 FT ABOVE LSD.
LSD 3.00 FT NGVD.
HIGHEST WATER LEVEL 53.84 BELOW LSD, APR. 22, 1975, MAR. 4, 1976.
LOWEST WATER LEVEL 61.00 BELOW LSD, JUNE 16, 1978.
RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	54.69						

300140093202201 LOCAL WELL NUMBER: CN-122

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 12S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 920 FT. SCREENED 910-920. MP TOP OF 2-IN CASING, 3.40 FT ABOVE LSD.
LSD 2.00 FT NGVD.
HIGHEST WATER LEVEL 59.04 BELOW LSD, MAR. 3, 1976.
LOWEST WATER LEVEL 64.79 BELOW LSD, DEC. 3, 1974.
RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1979	60.15						

294557093223601 LOCAL WELL NUMBER: CN-123

OWNER: CAMERON PARISH POLICE JURY. (SEC. 21, T. 15S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 236 FT. SCREENED 226-236. MP TOP OF 2-IN CASING, 2.30 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 19.99 BELOW LSD, JUNE 18, 1975.
LOWEST WATER LEVEL 24.06 BELOW LSD, DEC. 4, 1979.
RECORDS AVAILABLE 1975-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1979	24.06						

295839093203501 LOCAL WELL NUMBER: CN-134

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 47, T. 12S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 4 TO 2 IN. DEPTH 710 FT. SCREENED 690-710. MP TOP OF 4-IN COUPLING, 2.00 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 49.99 BELOW LSD, FEB. 23, 1977.
LOWEST WATER LEVEL 56.68 BELOW LSD, JULY 21, 1978.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1980	51.47						

IBERIA PARISH

300035091443301 LOCAL WELL NUMBER: I-93

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 5, T. 12S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 585 FT, SCREENED 580-585. MP TOP OF 2-IN CASING, 3.00 FT ABOVE LSD.
LSD 18.53 FT NGVD.
HIGHEST WATER LEVEL 15.29 BELOW LSD, FEB. 25, 1974.
LOWEST WATER LEVEL 22.11 BELOW LSD, NOV. 4, 1974.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 21, 1980	18.27						

JEFFERSON PARISH

295420090045801 LOCAL WELL NUMBER: JF-35

OWNER: SOUTHERN SHELLFISH CO. (SEC. 1, T. 13S., R. 24E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 10 TO 6 IN, DEPTH 270 FT, SCREENED 220-270. MP EDGE OF STEEL PLATE ON CONCRETE FOUNDATION, 3.50 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 3.15 BELOW LSD, MAY 12, 1980.
LOWEST WATER LEVEL 21.68 BELOW LSD, NOV. 29, 1977.
RECORDS AVAILABLE 1956, 1958-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	19.18	MAY 12, 1980	3.15				

295509090034001 LOCAL WELL NUMBER: JF-48

OWNER: PUBLICKER CHEMICAL CORP. (SEC. 7, T. 13S., R. 24E.) DRILLED INDUSTRIAL ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 16 IN, DEPTH 780 FT, SCREENED 700-780. MP HOLE IN CASING FLANGE AT TOP OF CONCRETE FOUNDATION, 0.90 FT ABOVE LSD.
LSD 7.00 FT NGVD.
HIGHEST WATER LEVEL 87.70 BELOW LSD, MAR. 6, 1979.
LOWEST WATER LEVEL 106.81 BELOW LSD, SEP. 15, 1976.
RECORDS AVAILABLE 1957, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	92.01	JAN. 30, 1980	97.90	MAY 12, 1980	99.88		

300109090091001 LOCAL WELL NUMBER: JF-71

OWNER: GREATER NEW ORLEANS EXPRESSWAY COMMISSION. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 566 FT, SCREENED 551-566. MP HOLE IN SAFETY SEAL, 3.40 FT ABOVE LSD.
LSD 11.00 FT NGVD.
HIGHEST WATER LEVEL 66.60 BELOW LSD, MAR. 5, 1963.
LOWEST WATER LEVEL 87.43 BELOW LSD, OCT. 17, 1973.
RECORDS AVAILABLE 1963, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	81.40	MAY 12, 1980	73.76				

295739090094601 LOCAL WELL NUMBER: JF-156

OWNER: JEFFERSON PARISH CONSOLIDATED WATER DISTRICT. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 780 FT, SCREENED 660-780. MP TOP OF 4-INCH PLASTIC LINER, 2.05 FT ABOVE LSD.
LSD 9.00 FT NGVD.
HIGHEST WATER LEVEL 83.60 BELOW LSD, MAY 12, 1980.
LOWEST WATER LEVEL 94.34 BELOW LSD, NOV. 11, 1975.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	88.65	JAN. 30, 1980	85.45	MAY 12, 1980	83.60	JULY 14, 1980	86.75

301001089441301 LOCAL WELL NUMBER: OR-23

OWNER: LOUISIANA PARKS AND RECREATION COMMISSION. (SEC. 19, T. 10S., R. 15E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE. DIAM 6 IN. REPORTED DEPTH 547 FT. SCREENED INTERVAL UNKNOWN. MP TOP OF 6 X 2-IN REDUCER, 0.40 FT ABOVE LSD.
LSD 2.00 FT NGVD.
HIGHEST WATER LEVEL 2.24 BELOW LSD, MAR. 25, 1958.
LOWEST WATER LEVEL 17.58 BELOW LSD, NOV. 19, 1979.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 19, 1979	17.58	MAY 12, 1980	17.30				

295652090020101 LOCAL WELL NUMBER: OR-42

OWNER: U. S. NAVY. (SEC. 16, T. 13S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE. DIAM 8 IN. REPORTED DEPTH 775 FT. SCREENED 664-775. MP TOP OF 2 X 6-IN RECORDER BASE, 1.00 FT ABOVE LSD. (RECORDER REMOVED 6/6/80.)
LSD 10.00 FT NGVD.
HIGHEST WATER LEVEL 40.07 BELOW LSD, MAY 25, 1942.
LOWEST WATER LEVEL 140.48 BELOW LSD, SEP. 20, 1968.
RECORDS AVAILABLE 1942, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1979	110.00H	DEC. 7, 1979	105.47H	FEB. 10, 1980	100.80	APR. 15, 1980	98.60
OCT. 5	110.25	DEC. 10	105.19	FEB. 15	100.83	APR. 20	98.65
OCT. 10	110.22	DEC. 15	105.10	FEB. 20	99.56	APR. 25	98.21
OCT. 15	109.99	DEC. 20	104.92	FEB. 25	99.85	APR. 30	97.82
OCT. 20	110.52	DEC. 25	103.77	FEB. 29	100.12H	MAY 5	97.49
OCT. 25	110.22	DEC. 31	102.96	MAR. 5	99.94	MAY 10	98.75
OCT. 31	109.57	JAN. 5, 1980	102.39	MAR. 10	100.14	MAY 12	98.70H
NOV. 5	109.20	JAN. 10	102.24	MAR. 15	101.02	MAY 15	99.18
NOV. 10	109.06	JAN. 15	101.93	MAR. 20	100.15	MAY 20	99.29
NOV. 15	107.98H	JAN. 20	101.67	MAR. 25	99.29	MAY 25	99.48
NOV. 20	107.43	JAN. 25	101.39	MAR. 31	99.03	MAY 31	100.21
NOV. 25	105.97	JAN. 30	100.80H	APR. 5	99.14	JUNE 5	100.80
NOV. 30	106.31	JAN. 31	101.04	APR. 7	98.07H	JUNE 6	101.17
DEC. 5	105.33	FEB. 5	100.75	APR. 10	98.82	JULY 18	104.94

300137089544201 LOCAL WELL NUMBER: OR-78

OWNER: NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. (SEC. 37, T. 12S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE. DIAM 12 TO 9 IN. DEPTH 565 FT. SCREENED 486-565. MP HOLE IN SAFETY SEAL, 1.36 FT ABOVE LSD.
LSD 4.00 FT NGVD.
HIGHEST WATER LEVEL 42.94 BELOW LSD, APR. 12, 1961.
LOWEST WATER LEVEL 117.46 BELOW LSD, JULY 21, 1976.
RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	111.26	JAN. 30, 1980	110.45	MAY 12, 1980	103.31	JULY 18, 1980	114.71

300158090033801 LOCAL WELL NUMBER: OR-128

OWNER: ORLEANS LEVEE BOARD, PONTCHARTRAIN REACH. (SEC. 111, T. 12S., R. 11E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE. DIAM 8 TO 6 IN. DEPTH 581 FT. SCREENED 541-581. MP TOP EDGE OF HOLE IN SANITARY SEAL, 1.32 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 114.41 BELOW LSD, FEB. 29, 1980.
LOWEST WATER LEVEL 167.66 BELOW LSD, JULY 21, 1976.
RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	124.48	FEB. 29, 1980	114.41	JUNE 6, 1980	132.03	AUG. 13, 1980	128.48
DEC. 7	129.58	APR. 7	114.82	JULY 18	133.60	SEP. 24	132.95
JAN. 30, 1980	116.53	MAY 12	118.98				

See footnotes at end of table.

ORLEANS PARISH

300411089571401 LOCAL WELL NUMBER: OR-156

OWNER: ORLEANS LEVEE BOARD. (SEC. 25, T. 11S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF THE NEW ORLEANS AREA) OF PLEISTOCENE AGE, DIAM 10 TO 8 IN, DEPTH 807 FT, SCREENED 747-807, MP HOLE IN SANITARY SEAL, 1.30 FT ABOVE LSD.
LSD 2.00 FT NGVD.
HIGHEST WATER LEVEL 36.20 BELOW LSD, JUNE 24, 1980.
LOWEST WATER LEVEL 36.53 BELOW LSD, JULY 18, 1980.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 24, 1980	36.20	JULY 18	36.53				

300525089464001 LOCAL WELL NUMBER: OR-175

OWNER: U. S. GEOL. SURVEY, (SEC. 38, T. 11S., R. 14E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 449 FT, SCREENED 439-449, MP TOP OF 2-IN CASING, 1.25 FT ABOVE LSD.
LSD 10.00 FT NGVD.
HIGHEST WATER LEVEL 19.84 BELOW LSD, SEP. 19, 1963.
LOWEST WATER LEVEL 37.01 BELOW LSD, NOV. 15, 1979.
RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	37.01	JAN. 30, 1980	36.90	MAY 12, 1980	36.55	JULY 18, 1980	36.85

300959089441901 LOCAL WELL NUMBER: OR-179

OWNER: U. S. GEOL. SURVEY, (SEC. 19, T. 10S., R. 15E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 2 IN, DEPTH 2434 FT, SCREENED 2429-2434, MP CENTERLINE OF DISCHARGE PIPE, 2.87 FT ABOVE LSD.
LSD 4.00 FT NGVD.
HIGHEST WATER LEVEL 107.20 ABOVE LSD, NOV. 10, 1965.
LOWEST WATER LEVEL 69.00 ABOVE LSD, MAR. 6, 1979, JULY 18, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979 +	74.80	MAY 12, 1980 +	69.90	JULY 18, 1980 +	69.00		

ST. MARY PARISH

294749091402301 LOCAL WELL NUMBER: SM-57U

OWNER: U. S. GEOL. SURVEY, (SEC. 27, T. 14S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 638 FT, SCREENED 628-638, MP TOP OF 1 1/2-IN PIPE, 2.50 FT ABOVE LSD.
LSD 8.72 FT NGVD.
HIGHEST WATER LEVEL 6.40 BELOW LSD, APR. 15, 1965.
LOWEST WATER LEVEL 10.25 BELOW LSD, DEC. 20, 1976.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 21, 1980	8.41						

294749091402302 LOCAL WELL NUMBER: SM-57L

OWNER: U. S. GEOL. SURVEY, (SEC. 27, T. 14S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN, DEPTH 738 FT, SCREENED 728-738, MP TOP OF 1 1/2-IN PIPE, 2.50 FT ABOVE LSD.
LSD 8.72 FT NGVD.
HIGHEST WATER LEVEL 7.54 BELOW LSD, AUG. 16, 1973.
LOWEST WATER LEVEL 11.93 BELOW LSD, OCT. 22, 1970.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 21, 1980	9.56						

See footnotes at end of table.

300245092200331 LOCAL WELL NUMBER: VE-333

OWNER: JOSEPH HERPIN. (SEC. 35, T. 11S., R. 1E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 10 TO 8 IN. REPORTED DEPTH 280 FT. SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 4.31 FT ABOVE LSD.
LSD 14.03 FT NGVD.
HIGHEST WATER LEVEL 15.69 BELOW LSD, MAR. 21, 1950.
LOWEST WATER LEVEL 51.28 BELOW LSD, JUNE 21, 1979.
RECORDS AVAILABLE 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1979	35.07	FEB. 21, 1980	33.68	MAY 23, 1980	38.60	AUG. 25, 1980	44.98
DEC. 27	34.23	MAR. 19	40.35	JUNE 24	46.34	SEP. 24	39.41
JAN. 23, 1980	33.56	APR. 15	37.86	JULY 22	45.65		

295315092075001 LOCAL WELL NUMBER: VE-626

OWNER: U. S. GEOL. SURVEY. (SEC. 54, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 66 FT. SCREENED 62-66. MP TOP OF 1 1/4-IN PIPE, 1.50 FT ABOVE LSD.
LSD 4.63 FT NGVD.
HIGHEST WATER LEVEL 8.27 BELOW LSD, MAR. 2, 1966.
LOWEST WATER LEVEL 14.03 BELOW LSD, JUNE 24, 1964.
RECORDS AVAILABLE 1963-66, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 16, 1963	9.95	DEC. 31, 1963	9.93	SEP. 24, 1964	10.22	MAY 26, 1965	10.72
MAY 27	12.87	JAN. 30, 1964	9.22	OCT. 29	9.71	JUNE 2	10.80
JUNE 27	13.05	FEB. 27	8.58	DEC. 2	9.63	JULY 1	11.93
AUG. 5	11.28	MAR. 23	8.37	JAN. 7, 1965	9.33	AUG. 3	10.80
AUG. 26	11.06	APR. 29	9.30	JAN. 27	9.05	AUG. 13	10.90
SEP. 12	11.03	MAY 21	10.84	FEB. 26	8.48	AUG. 26	10.40
SEP. 25	10.30	JUNE 24	14.03	MAR. 23	8.45	NOV. 24	10.60
OCT. 24	10.60	JULY 29	9.87	APR. 28	9.92	MAR. 2, 1966	8.27
OCT. 31	10.82	AUG. 26	10.06	MAY 14	10.86	MAR. 20, 1980	11.30
NOV. 27	10.36	SEP. 2	10.22				

294825092202004 LOCAL WELL NUMBER: VE-629U

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 TO 1 IN. DEPTH 457 FT. SCREENED 447-457. MP TOP OF 1-IN PIPE, 2.95 FT ABOVE LSD.
LSD 1.79 FT NGVD.
HIGHEST WATER LEVEL 3.77 BELOW LSD, MAR. 9, 1966.
LOWEST WATER LEVEL 7.40 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1980	6.54						

294825092202005 LOCAL WELL NUMBER: VE-629L

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 TO 1 IN. DEPTH 487 FT. SCREENED 477-487. MP TOP OF 1-IN PIPE, 2.95 FT ABOVE LSD.
LSD 1.79 FT NGVD.
HIGHEST WATER LEVEL 3.89 BELOW LSD, MAR. 9, 1966.
LOWEST WATER LEVEL 7.46 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 19, 1980	6.64						

295031092203202 LOCAL WELL NUMBER: VE-630U

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 TO 1 IN. DEPTH 498 FT. SCREENED 488-498. MP TOP OF 1-IN PIPE, 2.93 FT ABOVE LSD.
LSD 4.75 FT NGVD.
HIGHEST WATER LEVEL 7.15 BELOW LSD, MAR. 5, 1968.
LOWEST WATER LEVEL 11.74 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1980	10.52						

295031092203203 LOCAL WELL NUMBER: VE-630L

OWNER: U. S. GEOL. SURVEY, (SEC. 10, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 528 FT, SCREENED 518-528, MP TOP OF 1-IN PIPE, 2.93 FT ABOVE LSD.
LSD 4.75 FT NGVD.
HIGHEST WATER LEVEL 7.38 BELOW LSD, MAR. 9, 1966,
LOWEST WATER LEVEL 11.83 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1980	10.68						

295318092092001 LOCAL WELL NUMBER: VE-636

OWNER: U. S. GEOL. SURVEY, (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 76 FT, SCREENED 72-76, MP TOP OF 1 1/4-IN PIPE, 1.50 FT ABOVE LSD.
LSD 6.06 FT NGVD.
HIGHEST WATER LEVEL 8.71 BELOW LSD, JULY 29, 1964,
LOWEST WATER LEVEL 14.22 BELOW LSD, JUNE 24, 1964.
RECORDS AVAILABLE 1963-65, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1963	11.60	MAY 21, 1964	11.43	DEC. 2, 1964	10.79	JUNE 2, 1965	11.62
OCT. 31	11.69	JUNE 4	11.81	JAN. 7, 1965	10.44	JULY 1	12.46
NOV. 27	11.23	JUNE 24	14.22	JAN. 27	10.23	JULY 8	12.11
DEC. 31	10.74	JULY 29	8.71	FEB. 26	9.68	AUG. 3	11.60
JAN. 30, 1964	10.09	AUG. 26	11.00	MAR. 23	9.66	AUG. 13	11.75
FEB. 27	9.54	SEP. 2	11.10	APR. 28	10.82	AUG. 26	11.38
MAR. 23	9.38	SEP. 24	11.19	MAY 26	11.57	MAR. 19, 1980	13.15
APR. 29	10.17	OCT. 29	10.82				

295345092100702 LOCAL WELL NUMBER: VE-637U

OWNER: U. S. GEOL. SURVEY, (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN, DEPTH 198 FT, SCREENED 188-198, MP TOP OF 1-IN PIPE, 2.66 FT ABOVE LSD.
LSD 4.06 FT NGVD.
HIGHEST WATER LEVEL 7.99 BELOW LSD, FEB. 24, 1966,
LOWEST WATER LEVEL 13.51 BELOW LSD, JUNE 9, 1971.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 19, 1980	11.23						

295345092100703 LOCAL WELL NUMBER: VE-637L

OWNER: U. S. GEOL. SURVEY, (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN, DEPTH 243 FT, SCREENED 233-243, MP TOP OF 1-IN PIPE, 2.66 FT ABOVE LSD.
LSD 4.06 FT NGVD.
HIGHEST WATER LEVEL 8.10 BELOW LSD, FEB. 24, 1966,
LOWEST WATER LEVEL 15.11 BELOW LSD, JUNE 25, 1970.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 19, 1980	11.37						

295204092091201 LOCAL WELL NUMBER: VE-646

OWNER: U. S. GEOL. SURVEY, (SEC. 65, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 65 FT, SCREENED 62-65, MP TOP OF 1 1/4-IN PIPE, 0.50 FT ABOVE LSD.
LSD 7.26 FT NGVD.
HIGHEST WATER LEVEL 11.85 BELOW LSD, AUG. 26, 1965,
LOWEST WATER LEVEL 13.61 BELOW LSD, JULY 1, 1965.
RECORDS AVAILABLE 1965, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 2, 1965	12.52	JULY 8, 1965	13.33	AUG. 13, 1965	12.59	MAR. 19, 1980	13.54
JULY 1	13.61	AUG. 3	12.49	AUG. 26	11.85		

295516092082501 LOCAL WELL NUMBER: VE-649

OWNER: U. S. GEOL. SURVEY. (SEC. 44, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 350 FT. SCREENED 344-350. MP TOP OF 2-IN PIPE, 2.30 FT ABOVE LSD.
LSD 9.74 FT NGVD.
HIGHEST WATER LEVEL 15.66 BELOW LSD, OCT. 22, 1965.
LOWEST WATER LEVEL 17.72 BELOW LSD, MAR. 20, 1980.
RECORDS AVAILABLE 1965, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 10, 1965	16.06	JULY 9, 1965	16.23	AUG. 25, 1965	15.88	MAR. 20, 1980	17.72
JULY 1	16.43	AUG. 3	15.93	OCT. 22	15.66		

* Above land-surface datum.
H Tape measurement (recorder).

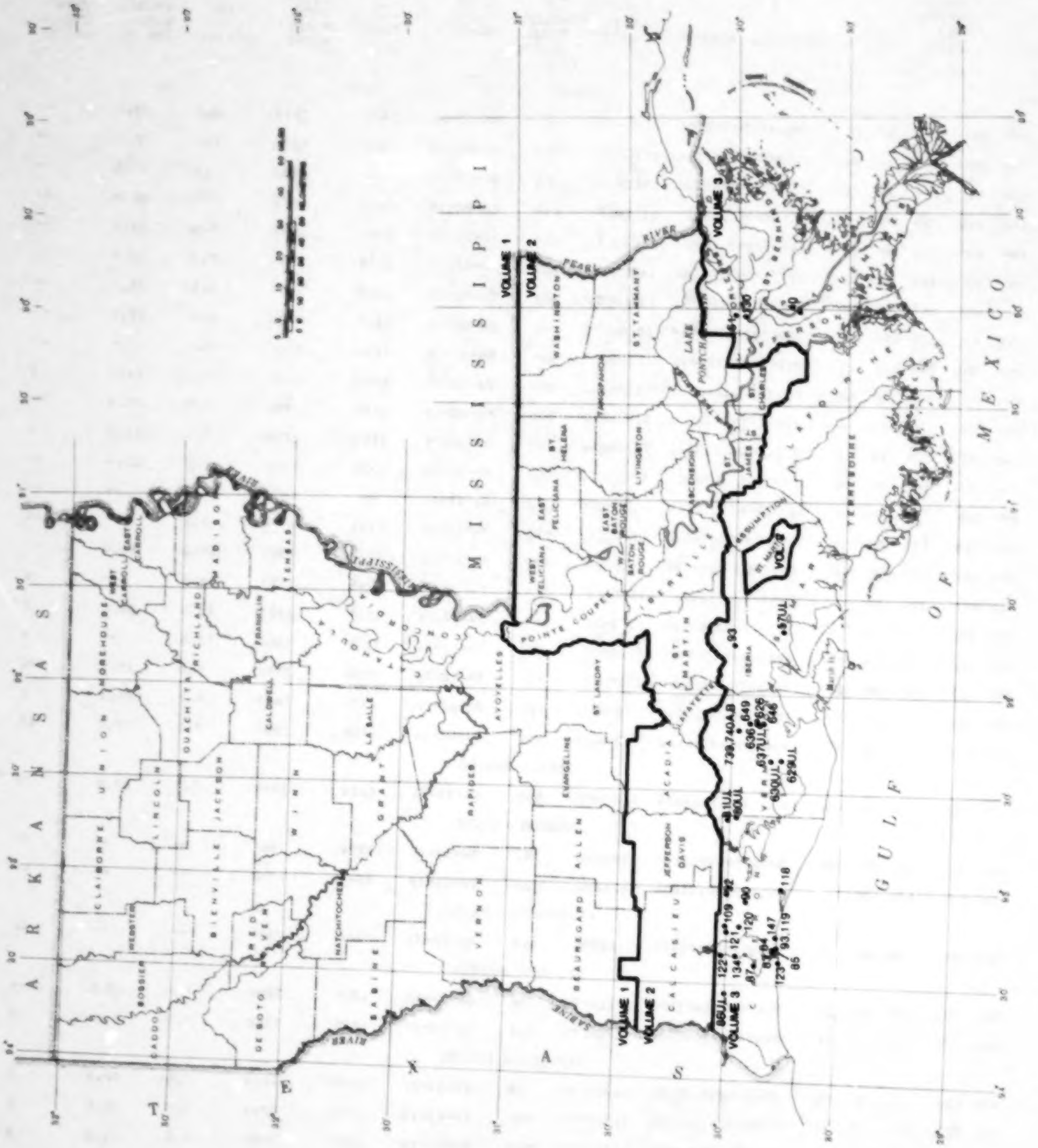
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
VOLUME 3
PEARL RIVER
SABINE RIVER
MISSISSIPPI RIVER
LAKE PONTCHARTRAIN
CADDO
BOSSIER
WEBSTER
CLAIBORNE
UNION
MOREHOUSE
WEST CARROLL
EAST CARROLL
LINCOLN
OUACHITA
RICHLAND
MADISON
FRANKLIN
TENSAS
JACKSON
BIENVILLE
CALDWELL
DE SOTO
RED RIVER
WINN
LA SALLE
CATAHOULA
CONCORDIA
NATCHITOCHES
GRANT
SABINE
RAPIDES
AVOYELLES
VERNON
ALLEN
EVANGELINE
ST LANDRY
POINTE COUPEE
WEST FELICIANA
EAST FELICIANA
ST HELENA
TANGIPAHOA
WASHINGTON
ST TAMMANY
LIVINGSTON
EAST BATON ROUGE
WEST BATON ROUGE
IBERVILLE
ASCENSION
ST JAMES
ST JOHN
ST CHARLES
ORLEANS
ST BERNARD
JEFFERSON
PLAQUEMINES
LAFOURCHE
TERREBONNE
ASSUMPTION
ST MARTIN
IBERIA
ST MARY
LAFAYETTE
ACADIA
VERMILION
JEFFERSON DAVIS
CALCASIEU
CAMERON
BEAUREGARD
739,740A,B
636
649
637UL
626
646
630UL
629UL
481UL
480UL
93
497UL
1120
60
86UL
122
134
121
109
92
120
90
87
147
81
84
123
93,119
118
85

Figure 6.--Location of wells for which water-quality data are included in this report.

QUALITY OF GROUND WATER

CHEMICAL ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

LOCAL IDENT-I-FIER	STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)
				CAMERON PARISH					
CN- 80L 12S 3W 24	295846092381105	112CHCTU	481	80-02-19	1400	1240	8.2	22.0	--
CN- 80U 12S 3W 24	295846092381104	112CHCTU	453	80-02-19	1310	1190	8.2	22.0	--
CN- 81L 12S 3W 11	300125092382504	112CHCTU	478	80-02-19	1200	1840	7.8	22.5	--
CN- 81U 12S 3W 11	300125092382503	112CHCTU	448	80-02-19	1100	1600	8.0	21.0	--
CN- 83 14S 9W 31	294756093192702	11205LC	278	80-02-14	1115	1920	7.9	23.0	--
CN- 84 14S 9W 32	294747093185002	112CHCTU	245	80-02-14	1310	1580	7.9	23.0	--
CN- 85 15S 9W 12	294715093182202	112CHCTU	301	80-02-14	1000	1940	8.0	22.0	--
CN- 86L 12S 12W 13	300120093320802	11205LC	641	80-02-12	1145	1790	8.1	22.5	--
CN- 86U 12S 12W 13	300120093320801	11205LC	535	80-02-12	1200	1050	7.7	23.0	--
CN- 87 13S 10W 32	295324093240602	11205LC	804	80-02-26	1200	5020	8.3	24.0	0
CN- 90 13S 7W 4	295611093044801	112CHCTU	396	80-02-13	1445	940	8.0	22.0	--
CN- 92 12S 7W 12	300104093015601	112CHCTU	443	80-02-15	1135	1780	7.5	21.0	--
CN- 93 15S 9W 16	294709093174301	112CHCTU	360	80-02-14	1335	1390	7.8	22.0	--
CN- 109 12S 9W 16	300058093112101	112CHCTU	273	80-08-11	--	621	--	--	--
CN- 118 15S 6W 5	294615093004201	11202LC	638	79-12-06	1125	--	7.1	--	--
CN- 119 15S 9W 16	294709093174302	11205LC	910	80-02-14	1430	3300	10.2	22.0	--
CN- 120 13S 8W	295721093115701	11205LC	764	79-12-06	1345	1100	10.3	--	0
CN- 121 12S 8W 18	300040093161801	11205LC	691	79-12-06	1515	1120	10.5	22.0	5
CN- 122 12S 10W 12	300140093202201	11205LC	920	79-12-04	1115	1260	10.9	--	5
CN- 123 15S 10W 21	294557093223601	112CHCT	236	79-12-04	1330	2150	6.8	19.5	30
CN- 134 12S 10W 47	295839093203501	112CHCTU	710	80-02-26	1335	1400	8.2	24.0	0
CN- 147 14S 9W 31	294813093191701	112CHCTU	260	80-02-14	1145	1560	8.0	22.0	10
				IBERIA PARISH					
I- 93 12S 7E 5	300035091443301	112CHCTU	585	80-03-21	1510	1050	7.4	20.5	0
				ORLEANS PARISH					
OR- 61 12S 12E 38	300055090013101	112GZNO	653	79-11-15	1220	967	--	--	--
OR- 130 12S 12E	295738090021001	112GZNO	736	79-11-19	0940	1750	--	--	--
				PLAQUEMINES PARISH					
PL- 40 16S 24E 2	294318090000401	112GRMC	400	80-07-23	1200	7340	--	--	--
				ST. MARY PARISH					
SM- 57L 14S 8E 27	294749091402302	112CHCTU	738	80-03-21	1225	5200	7.5	22.5	--
SM- 57U 14S 8E 27	294749091402301	112CHCTU	638	80-03-21	1245	1140	7.3	23.0	0
				VERMILION PARISH					
VE- 626 13S 3E 54	295315092075001	112CHCTU	66	80-03-20	1145	1030	7.5	22.0	0
VE- 629L 14S 1E 23	294825092202005	112CHCTU	487	80-03-18	1400	1290	7.5	21.5	0
VE- 629U 14S 1E 23	294825092202004	112CHCTU	457	80-03-18	1310	1020	7.5	21.0	0
VE- 630L 14S 1E 10	295031092203203	112CHCTU	528	80-03-18	1600	1860	7.8	21.5	0
VE- 630U 14S 1E 10	295031092203202	112CHCTU	498	80-03-18	1500	1050	7.6	21.0	0

CHEMICAL ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

LOCAL IDENT- I- FIER	DATE OF SAMPLE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	SULFATE DIS- SOLVED (MG/L AS SO4)
				CAMERON PARISH--Continued						
CN- 80L 12S 3W 24	80-02-19	200	--	--	--	--	--	--	--	--
CN- 80U 12S 3W 24	80-02-19	210	--	--	--	--	--	--	--	--
CN- 81L 12S 3W 11	80-02-19	320	--	--	--	--	--	--	--	--
CN- 81U 12S 3W 11	80-02-19	300	--	--	--	--	--	--	--	--
CN- 83 14S 9W 31	80-02-14	140	0	--	--	370	--	422	0	--
CN- 84 14S 9W 32	80-02-14	140	--	--	--	290	--	--	--	--
CN- 85 15S 9W 12	80-02-14	120	0	--	--	370	--	403	--	--
CN- 86L 12S 12W 13	80-02-12	71	--	--	--	--	--	--	--	--
CN- 86U 12S 12W 13	80-02-12	77	--	--	--	--	--	--	--	--
CN- 87 13S 10W 32	80-02-26	200	0	48	19	1000	5.0	415	0	.8
CN- 90 13S 7W 4	80-02-13	86	--	--	--	--	--	--	--	--
CN- 92 12S 7W 12	80-02-15	--	--	--	--	--	--	--	--	--
CN- 93 15S 9W 16	80-02-14	110	--	--	--	--	--	--	--	--
CN- 109 12S 9W 16	80-08-11	--	--	--	--	--	--	--	--	--
CN- 118 15S 6W 5	79-12-06	190	--	--	--	--	--	--	--	--
CN- 119 15S 9W 16	80-02-14	130	--	--	--	--	--	--	--	--
CN- 120 13S 8W	79-12-06	100	0	26	8.5	200	2.8	273	0	1.2
CN- 1[illegible] [illegible]2S 8W 18	79-12-06	150	0	42	10	180	3.3	260	0	.8
CN- 122 12S 10W 12	79-12-04	28	0	6.4	2.9	260	2.1	292	0	10
CN- 123 15S 10W 21	79-12-04	130	0	24	18	420	8.4	487	0	2.2
CN- 134 12S 10W 47	80-02-26	73	0	19	6.2	270	2.0	293	0	.0
CN- 147 14S 9W 31	80-02-14	90	0	17	12	300	4.0	448	0	.2
				IBERIA PARISH--Continued						
I- 93 12S 7E 5	80-03-21	220	0	59	19	150	4.0	418	0	.2
				ORLEANS PARISH--Continued						
OR- 61 12S 12E 38	79-11-15	19	--	--	--	--	--	--	--	--
OR- 130 12S 12E	79-11-19	40	--	--	--	--	--	--	--	--
				PLAQUEMINES PARISH--Continued						
PL- 40 16S 24E 2	80-07-23	--	--	--	--	--	--	--	--	--
				ST. MARY PARISH--Continued						
SM- 57L 14S 8E 27	80-03-21	580	--	--	--	--	--	--	--	2.2
SM- 57U 14S 8E 27	80-03-21	300	0	72	30	120	4.9	372	0	.0
				VERMILION PARISH--Continued						
VE- 626 13S 3E 54	80-03-20	260	3	74	19	110	3.0	316	0	4.0
VF- 629L 14S 1E 23	80-03-18	340	31	84	30	140	4.0	370	0	.4
VE- 629U 14S 1E 23	80-03-18	320	0	74	32	92	4.0	352	0	.2
VE- 630L 14S 1E 10	80-03-18	430	95	98	44	240	5.0	404	0	.0
VE- 630U 14S 1E 10	80-03-18	270	0	62	27	140	4.0	428	0	.5

CHEMICAL ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

LOCAL IDENT-I-FIER	DATE OF SAMPLE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	BROMIDE DIS-SOLVED (MG/L AS BR)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
CAMERON PARISH--Continued										
CN- 80L 12S 3W 24	80-02-19	260	--	.6	--	--	--	--	--	--
CN- 80U 12S 3W 24	80-02-19	240	--	--	--	--	--	--	--	--
CN- 81L 12S 3W 11	80-02-19	430	--	1.3	--	--	--	--	--	--
CN- 81U 12S 3W 11	80-02-19	370	--	1.6	--	--	--	--	--	--
CN- 83 14S 9W 31	80-02-14	420	--	--	--	--	--	--	180	63
CN- 84 14S 9W 32	80-02-14	310	--	1.1	--	--	--	--	140	79
CN- 85 15S 9W 12	80-02-14	420	--	--	--	--	--	--	190	58
CN- 86L 12S 12W 13	80-02-12	430	--	1.4	--	--	--	--	--	--
CN- 86U 12S 12W 13	80-02-12	210	--	.3	--	--	--	--	--	--
CN- 87 13S 10W 32	80-02-26	1500	.5	--	28	2570	2810	.00	--	120
CN- 90 13S 7W 4	80-02-13	160	--	.7	--	--	--	--	--	--
CN- 92 12S 7W 12	80-02-15	410	--	1.1	--	--	--	--	--	--
CN- 93 15S 9W 16	80-02-14	260	--	.2	--	--	--	--	--	--
CN- 109 12S 9W 16	80-08-11	38	--	--	--	--	--	--	--	--
CN- 118 15S 6W 5	79-12-06	750	--	--	--	--	--	--	--	--
CN- 119 15S 9W 16	80-02-14	880	--	1.8	--	--	--	--	--	--
CN- 120 13S 8W	79-12-06	210	.1	.6	29	606	612	.03	--	100
CN- 121 12S 8W 18	79-12-06	230	.1	.6	28	606	613	.03	--	160
CN- 122 12S 10W 12	79-12-04	250	.3	.7	26	710	702	.16	--	20
CN- 123 16S 10W 21	79-12-04	450	.3	2.6	25	1200	1190	.19	180	50
CN- 134 12S 10W 47	80-02-26	310	.2	--	27	790	778	.00	120	80
CN- 147 14S 9W 31	80-02-14	290	.2	.8	26	906	870	.00	160	62
IBERIA PARISH--Continued										
I- 93 12S 7E 5	80-03-21	140	.2	--	38	612	620	.50	--	89
ORLEANS PARISH--Continued										
OR- 61 12S 12E 38	79-11-15	92	--	--	--	--	--	--	--	--
OR- 130 12S 12E	79-11-19	340	--	--	--	--	--	--	--	--
PLAQUEMINES PARISH--Continued										
PL- 40 16S 24E 2	80-07-23	2200	--	--	--	--	--	--	--	--
ST. MARY PARISH--Continued										
SM- 57L 14S 8E 27	80-03-21	1500	--	4.3	--	--	--	--	--	--
SM- 57U 14S 8E 27	80-03-21	180	.2	--	32	631	629	.30	--	85
VERMILION PARISH--Continued										
VE- 626 13S 3E 54	80-03-20	180	.2	--	34	572	581	.31	--	240
VE- 629L 14S 1E 23	80-03-18	240	.2	--	30	720	707	.20	--	78
VE- 629U 14S 1E 23	80-03-18	150	.2	--	30	563	558	.40	--	130
VE- 630L 14S 1E 10	80-03-18	400	.2	--	29	1080	1010	.30	--	95
VE- 630U 14S 1E 10	80-03-18	130	.3	--	29	591	604	.20	--	66

LOCAL IDENT-I-FIER	STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)
				VERMILION PARISH--Continued					
VE- 636 13S 3E 15	295318092092001	112CHCT	76	80-03-19	1430	2200	6.5	22.0	0
VE- 637L 13S 3E 15	295345092100703	112CHCTU	243	80-03-19	1125	2560	6.1	21.0	--
VE- 637U 13S 3E 15	295345092100702	112CHCTU	198	80-03-19	1140	1070	6.0	21.0	0
VE- 646 13S 3F 65	295204092091201	112CHCTU	65	80-03-19	1540	2010	7.8	20.5	0
VE- 649 13S 3F 44	295516092082501	112CHCTU	350	80-03-20	1440	1520	7.1	22.0	--
VF- 739 12S 3E 66	295859092102301	112CHCTU	72	80-09-04	--	1270	--	--	--
VF- 740A 12S 3E 66	295858092101601	112CHCTU	97	80-08-19 2/	--	9620	--	--	--
VE- 740B 12S 3E 66	295858092101602	112CHCTU	130	80-09-04	--	--	--	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
				VERMILION PARISH--Continued						
VE- 636 13S 3E 15	80-03-19	510	190	140	38	260	5.0	389	0	.2
VE- 637L 13S 3E 15	80-03-19	420	110	--	--	--	--	380	0	12
VE- 637U 13S 3E 15	80-03-19	290	0	82	22	110	3.0	378	0	.2
VE- 646 13S 3E 65	80-03-19	430	110	120	32	260	5.0	388	0	.0
VE- 649 13S 3E 44	80-03-20	360	0	100	24	--	--	380	0	.2
VF- 739 12S 3E 66	80-09-04	--	--	--	--	--	--	--	--	--
VE- 740A 12S 3E 66	80-08-19	3100	--	810	250	840	--	--	--	--
VE- 740R 12S 3E 66	80-09-04	210	--	59	15	99	--	--	--	7.6

LOCAL IDENT-I-FIER	DATE OF SAMPLE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	BROMIDE DIS-SOLVED (MG/L AS BR)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
				VERMILION PARISH--Continued						
VE- 636 13S 3E 15	80-03-19	520	.2	--	42	1190	1200	.20	--	440
VE- 637L 13S 3E 15	80-03-19	650	--	--	--	--	--	--	--	350
VE- 637U 13S 3E 15	80-03-19	160	.3	--	33	602	604	.40	--	210
VE- 646 13S 3E 65	80-03-19	480	.3	--	33	1130	1120	.20	--	340
VE- 649 13S 3E 44	80-03-20	310	--	--	42	--	--	--	--	460
VE- 739 12S 3E 66	80-09-04	240	--	--	--	--	--	--	--	--
VE- 740A 12S 3E 66	80-08-19	3300	--	3.8	--	--	--	--	--	--
VE- 740B 12S 3E 66	80-09-04	100	--	--	--	--	--	--	--	120

1/ Geologic unit (aquifer):
112CHCT-Chicot aquifer, Pleistocene age.
112CHCTU-Chicot aquifer, upper sand unit, Pleistocene age.
112GRMC-Gramercy aquifer, Pleistocene age.
112GZNO-Gonzales-New Orleans aquifer, Pleistocene age.
11202LC-"200-foot" sand of Lake Charles area, Pleistocene age.
11205LC-"500-foot" sand of Lake Charles area, Pleistocene age.

2/ Total barium (Ba), 4500 µg/L; total chromium (Cr), 10 µg/L.

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October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	$2.54\text{x}10^{1}$	millimeters (mm)
	$2.54\text{x}10^{-2}$	meters (m)
feet (ft)	$3.048\text{x}10^{-1}$	meters (m)
miles (mi)	$1.609\text{x}10^{0}$	kilometers (km)
	Area	
acres	$4.047\text{x}10^{3}$	square meters (m^2)
	$4.047\text{x}10^{-1}$	square hectometers (hm^2)
	$4.047\text{x}10^{-3}$	square kilometers (km^2)
square miles (mi^2)	$2.590\text{x}10^{0}$	square kilometers (km^2)
	Volume	
gallons (gal)	$3.785\text{x}10^{0}$	liters (L)
	$3.785\text{x}10^{0}$	cubic decimeters (dm^3)
	$3.785\text{x}10^{-3}$	cubic meters (m^3)
million gallons	$3.785\text{x}10^{3}$	cubic meters (m^3)
	$3.785\text{x}10^{-3}$	cubic hectometers (hm^3)
cubic feet (ft^3)	$2.832\text{x}10^{1}$	cubic decimeters (dm^3)
	$2.832\text{x}10^{-2}$	cubic meters (m^3)
cfs-days	$2.447\text{x}10^{3}$	cubic meters (m^3)
	$2.447\text{x}10^{-3}$	cubic hectometers (hm^3)
acre-feet (acre-ft)	$1.233\text{x}10^{3}$	cubic meters (m^3)
	$1.233\text{x}10^{-3}$	cubic hectometers (hm^3)
	$1.233\text{x}10^{-6}$	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	$2.832\text{x}10^{1}$	liters per second (L/s)
	$2.832\text{x}10^{1}$	cubic decimeters per second (dm^3/s)
	$2.832\text{x}10^{-2}$	cubic meters per second (m^3/s)
gallons per minute (gal/min)	$6.309\text{x}10^{-2}$	liters per second (L/s)
	$6.309\text{x}10^{-2}$	cubic decimeters per second (dm^3/s)
	$6.309\text{x}10^{-5}$	cubic meters per second (m^3/s)
million gallons per day	$4.381\text{x}10^{1}$	cubic decimeters per second (dm^3/s)
	$4.381\text{x}10^{-2}$	cubic meters per second (m^3/s)
	Mass	
tons (short)	$9.072\text{x}10^{-1}$	megagrams (Mg) or metric tons